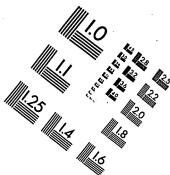
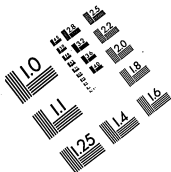




Association for
Information and Image
Management

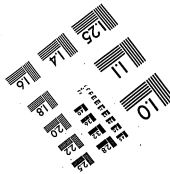
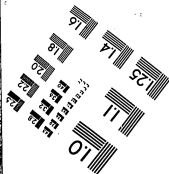
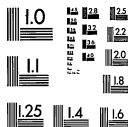
MS303-1980



Centimeter



Inches



Thomas A Edison Papers

A SELECTIVE MICROFILM EDITION

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University Publications of America
Frederick, Maryland
1987

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at
Rutgers, The State University
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55

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THOMAS A. EDISON PAPERS
A SELECTIVE MICROFILM EDITION
PART II
(1879-1886)

REEL 55

DOCUMENT FILE SERIES (DOC-15)

D-80-036 through D-80-047
("Patents" through "Telephone - Foreign - Chile")

1880. Patents (D-80-036)

This folder contains correspondence to and from Edison's patent attorneys, along with other correspondence relating to patent applications, patent litigation, and other patent matters. Included also are other patent-related documents, such as patent applications, caveats, preliminary statements, and a few printed patents. There is also a set of drawings by William Carman relating to the telephone interference cases and a list of notebook pages that were used as exhibits in these cases (see Thomas A. Edison Papers Microfilm Edition, Part I, 3:429-4:1153 and 11:3-1025).

Approximately 90 percent of the documents have been filmed. The following categories of documents have not been filmed: duplicate copies of correspondence; printed copies of Edison's U.S. patents (see Thomas A. Edison Papers Microfilm Edition, Part I, reels 1-2); copies of Edison's claims; other inventors' claims, specifications, and patents; correspondence and other documents concerning non-Edison patents, except when they relate directly to Edison and his work; routine bills and receipts from patent attorneys; routine correspondence from patent attorneys regarding accounts and fees.

Application files for Edison's domestic and foreign patents can be found in the Patent Series.

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This Company TRANSMITS AND DELIVERS messages only on condition, limiting the liability, which have been assumed by the sender of the message.

Messages are not carried subject to the following conditions:—

1. Messages are not carried for a longer period than is necessary to enable the sender to receive the message, and the Company is not responsible for any loss or damage to the message or to the property of the sender.

A. H. BREWER, Sec'y.

WILLIAM ORTON, Pres't.

Date

Received at

READ THE NOTICE AT THE TOP.

Please telegraph
Wilbur to be at this
office tomorrow morning

Very
truly
yours

T. A. EDISON.

Menlo Park, N. J.,

April 8 1888

5/Telegram
Z + Wilbur - Washington DC

Lowrey wants you his
office immediately
Edison

615H
714
JLH

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THE WESTERN UNION TELEGRAPH COMPANY.

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It is the policy of the Company to receive all messages back to the sending station for transmission, and the Company will not be held liable for any delay in transmission or delivery of messages.

The Company is not responsible for any delay in delivery of messages.

A. B. STEWART, Sec'y

WILLIAM ORTON, Pres't.

Date Washington DC 1/1/88

Received of J. A. Edison

Menlo Park

READ THE NOTICE AT THE TOP.

Impossible to be there
before Saturday morning
winter

J. A. Edison
Hob

Western Union Telegraph Company.

Clarence Barry
Attorney

New York, Jan 10th 1880

T. A. Edison Esq.,
Menlo Park, N. J.
Dear Sir,

In view of the fact that your carbon telephone transmitter is very imperfectly secured by the patents thus far issued on the same, I have judged it best in order to properly protect the interests of the Western Union Company in the same; to apply for a reissue of Patent No. 203,016 of April 29, 1878, in three divisions, covering respectively the art, the apparatus, and the carbon button, and herewith inclose the revised and amended specifications.

Please execute the same in due form and return to me at your earliest convenience and oblige

Very respectfully,

Thos L. Dyer



P.O. Box, 4689.

New York, Jan'y 10 1880

Thos. A. Edison Esq.

Dear Sir,

I am in receipt
of a letter from my London agents
to say that they received your cable
message to hurry forward Continental
Elec. Light patents on account of the
publication of the N.Y. Herald.
They say that they have taken every
possible measure to press the cases
forward more especially as the
London Daily News published a
similar statement.

Yours Truly,
Lemuel W. Serrell
H. Serrell

Office for Patents.

140 NASSAU STREET,
New York

New York Aug 16 1880

Dear Sir:

It affords me pleasure to inform
you that on Aug 15 1880
your application for Patent on

Electric Lighting Apparatus
was duly allowed.

The Patent will be engrossed
for issue on receipt of TWENTY DOLLARS,
the balance of fee payable thereon, if
received within six months.

Yours truly,

LEWEL W. SERRELL

To Thos A Edison Esq.

* Please advise if this case is
to be issued or not.

T. A. EDISON,

Park, N.

1880

L W Serrell

Morse Blaine
Massachusetts

Witnesses are Charles
Baleton John Kresi
Martin Force George Carman

1762



P.O. Box, 4689.

New York Jan. 19th 1880.

Thos. A. Edison Esq.

Dear Sir:

Yours of 17th inst. rec'd
Cases No. 130.-132.-133.-135.-136.-141.-143.-144.-145.-
146.-147.-148.-149.- and 153. are the cases filed
during 1877. The following were patented
case 133 Pat. No. 217,781 - case 135 Pat. No. 202,299 -
case 136 Pat. 203,014 - case 143 Pat. 203,015 -
case 146 Pat. 203,013 - case 147 Pat. 202,018. - and
case 153 Pat. 204,760.

The present is to
enquire if you desire certified copies of the
Patents, as well as of the applications.

The certified copies of the applications
will be ordered immediately.

Yrs. both

Yours truly
Lemuel W. Serrell
J. Kinney



New York, Jan. 21st 1880.

Thos. A. Edison Esq.

Dear Sir:

Will you please
send some one ^{tomorrow} for a bundle
of the papers relating to the
Telephone Interferences, as
there is such a mass of them.
I will bring some of
them with me.

Yours truly
L. M. Westerfield
april 1880

C. M. Barron Coal & Iron Co., Louisville, Ky.
3rd Floor - Room 44

Let B. Carman
Coal & Iron Exchange
Cor Cortlandt & New Church²
3^d floor

Wm. M. 150
Drill
Regarding telephone
cited papers

T. A. EDISON,

Menlo Park, N. J., *Jan 24* 1880.

Mrs J F Wilbur

413 42 St W

Washington D C

Major ~~W~~ Wilbur cannot
be in Washington until
Tuesday

T A Edison

*Write very early
about
was great*



P.O. Box, 46829

New York, January 26th 1880

Thomas A. Edison Esq.

Dear Sir,

I am in receipt of a letter from my agent in Germany under date of 9th inst. saying that they have lost no time in filing your last German application ^{which they did on 27th of January}. They say they have been very much annoyed by the contents of an English paper under date of Dec. 24/79 which describes part of the matter contained in your application viz. "the horse shoe form of paper strips, the method of carbonizing the same in an iron mould and using the carbon filament for giving light in electric lamps". They further say that they hope this publication will not prove fatal to the application.

Yours truly
Emuel W. Sherrell
W. Sherrell

T. A. EDISON,

Menlo Park, N. J. Jan'y 28th 1880.

Mrs Milner

413-4th St

Washington D. C.

Major Milner cannot get
away to night

Edison

By SR Jo



P.O. Box, 4689.

New York Jan 24th 1880.
Mr. A. Edison Esq.

Dear Sir: Please sign,
and swear to the enclosed
affidavits, and return
them to me.

Yours faithfully
Samuel W. Serrell
Wickney

signed & returned
Jan 29. 80

N. New York. 7/24/20

To. T. A. Edison

Menlo Park. N.J.

The certified copies of
patents and file wrappers
ordered by you have
been received Will you
send for them

1954

Hess

10.15 am

L. W. Serrall



P.O. Box, 4689.

send copy to
Painter
New York Jan 29 ^{then file} 1880

Mrs. A. Edison Esq
Dear Sir

In the interference with Cooley on the Phonograph Mr Cooley made a motion to have the interference dissolved on the ground that leverage had been used in connection with the diaphragm, and urged the same as a reason for rejecting your claim:

Upon the hearing of this motion I showed that your improvement was patentable over the phonograph: Mr. Cooley gets what he did not evidently anticipate. The motion to dissolve the interference is granted, and at the same time the Patent Office holds that your combination of diaphragm, lever and foil is patentable.

Twenty days have been allowed Cooley to appeal: I will advise.

Yours truly
Lemuel W. Serrell



P.O. Box 4089.

670
New York, Jan 30th 1880

Thos A Edison Esq
Dear Sir

Your favor of yesterday relative to delay in filing Foreign Patents on last electric light cases is to hand. — I think the following will show that the utmost speed was resorted to —

- Nov. 24. order recd U. S. Eng & Canada.
- " 25 Telegram for other countries.
- Dec 2 Papers for U. S. sent to England.
- " 8 U. S. & Canada papers sent.
- " 10. Papers forwarded to foreign countries for eleven foreign patents for translation.
- " 15 Final instructions as to countries

in which patents were to
be obtained—

Jan 15.	English prov. dep.		
Dec 31.	Denmark & Italy — papers deposited		
Jan 2.	Germany	"	"
" 3	Norway	"	"

Allowing time necessary for trans-
lation you will see that there
was no unnecessary delay. It
appears that the papers did not
reach Dresden until 28th Jan, and
the translation was made and papers
filed by Jan 2^d.

The parties that inserted the
publication in the papers of Dec 21.
without authority should be sued
for damages, if any injury
results, it was a betrayal of
your confidence.

Yours truly
Samuel M. Merrill

more
merrill
as of merrill

T. A. EDISON,

1
Menlo Park, N. J.,

Jan 31 1880.

EN Dickerson.

Leitung Bldg
N.Y.

Does possession one undivided
tenth part of the title of a
patent give one a right to
use without accounting to
other owners.

T. A. Edison

22 1/2
5 25
232 Pm

2 New York Jan 31st 1880

J.A. Edison

347 PM

The legal owner of
one undivided tenth can use
without accountability and can
also license others to use

E. N. Dickerson

18 Dth

Ed. 2.

T. A. EDISON,

Menlo Park, N. J., 1880.

Feb 5
G. P. Lowrey
my copy

Do nothing about ~~patent~~
spoken of by Wilbur who
sends abstract, to you it
will spoil my plan to say
anything about it, please
send me the abstract
T. A. Edison

Plus

N.C.

The Gold and Stock Telegraph Co.
WESTERN UNION BUILDING,
197 Broadway,

New York, July 5th 1898

My Dear Mr Edison,

Your Telegram is recd.
Has your application, filed in
the Patent Office, July 14th 1896,
been allowed? (for Telephone)
and what was your claim in
that application?

An answer will oblige

Respectfully

Frederick A. Edison

Write say it was in
an Acoustic Telegraph
Case and as I had forgotten
it nothing was ever done

John R. Porter,
George W. F. Loring,
Geo. Wales Smith,
Chas. Francis Smith,
Geo. S. Merrill,
Wm. L. Porter.

P. O. Box 1830.

Porter, Loring, Loren & Howe

Attorneys & Counsellors at Law

No. 3 Broad St. New York.

Feb. 5th

1880

My dear Edison

A letter from Miller on the Woods-
more business informs me that you have a letter
from a Mr. O'Reilly proposing negotiations for
the Woodward patent

Please send it to me & let me know
where O'Reilly is to be found, who he is &c.

Yours, with kindest
G. P. L.

I will have Griffen send you a
copy of the letter. I purchased
through McLaughlin 1/35 undivided
interest in title of patent, and its
recording that puts us all right.
I do not think we ought to buy any
more as I have no doubt whatever
but a good search would bring forth a
refutation of multiple are being sold & I
was so sure of it that I never sought to claim it
over

I replied to Mr Reilly giving him reference
of 8 sheet foolscap proving that the
patent is absolutely worthless. and
he will undoubtedly think so
when he reads the references
You know the multiple one is not
claimed and I don't think they
will see that point. McLaughlin
could undoubtedly purchase the whole
for a small sum but neither you
nor I could do so. I am sure.
You will think so when I tell you
how he got the $\frac{1}{35}$ th for \$1150.

as
bought
by
McLaughlin
for
\$1150

4. New York July 6/88
1205 PM

Edison
Menlo Park

In whose name do
you want stamps
can you have Sirrell
at your office tomorrow
if I came out on
eleven o'clock train

Wm McKim
23rd

Wob

²
M6

Feb 6, 80
4:00 PM

T Edison
ms

Mr. Serrell in Phila
on Telephone interference
Today & tomorrow

H Serrell

1504

Feb, 6. 80

Wmck Twombly
NY

Arrell cannot
be here tomorrow
is in Phila
Edison

80x 4 Am 9 Ho

1/ Plainfield N.J. 27/7/80.
Thos. A Edison -

Am back from
Philadelphia is it
necessary for me to
come to you today
Summer New York

L. W. Serrall

16th

Wass
8:1 am

Mr Twombly requested me to have
you call here you might avoid
going down to his office and see if
actually necessary.



P.O. Box, 4689.

New York Dec. 11 1880

Mr. A. Edison Esq
Dear Sir,

I send herewith certified copy
of caveat No. 75 that you desired
in letter of 9th inst. You have the
tracing drawings among those
referred to when the Short Notice-
inguy was taken:

I want to finish the Short cross
X as soon as possible and will advise
date when we can come to Moulso.

If you are going to be absent on
either Friday or Saturday please
let me know for I expect to come
down on Saturday night. Yours truly
E. W. Carrell

4

Feb 12 80
42^u

My 12

Thomas A. Edison
ms

Will be down on
Saturday on Shost
matter and will bring

Notary

L. W. Durrell

125 H.
Hoy

Wilber P.O. Box 100
Washington D.C.

Dear Sir

Have you a drawing of a
Dynamo electric machine which
shows any arrangement to give the
shaft some lateral motion?

A magnet
of the
to
is placed on the end
of the shaft, & a spring
pushes the
shaft
back when the wire is broken

At City is
Mans

TAE
pH

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

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I hereby acknowledge receipt of the message and its delivery to the messenger, and the Company will not be held liable for any delay or loss of the message, or for any other cause, unless the message is delivered in the hands of the messenger, and is delivered by request of the sender, under the conditions stated above.

A. R. BREWER, Sec'y.

NORVIN GREEN, President.

Dated

New York 2/14 1884

Received at

To

L. H. Service
C/O Edison
New York

READ THE NOTICE AT THE TOP.

There are paper and sketches of telephone interferences in safe

H. Service
10 paid
Bu. F.



P.O. Box, 4689.

New York, Feb. 16, 1880

Mrs. A. Edison Esq

Dear Sir

I expect to come to N. Y.
on Friday morning to go over
telephone history generally. —

Will you oblige by having
one of your young men go
over the bundle of sketches —
(the original ones) and lay out all
matters relating to telephones or
acoustic matters leading thereto, and
arrange them according to date.

I will bring down the papers
that are at my office in the
envelopes.

Yours truly,
Lemuel W. Serrell

John K. Porter.
GEOFFREY D. LAWRENCE.
Geo. Walter Stone.
Chas. H. Smith.
Geo. S. Hamilton.
Wm. L. Porter.

P. O. Box 1836.

Porter, Lawrence, Stone & Stone.

Attorneys & Counsellors at Law.

No. 3 Broad St. New York.

Sept 7. 1886

Dear Mr. Griffin. Would you mind give
me the true whereabouts of an article
in the Star of Monday. (1884) as
which we from some of the changes
which having cost me \$1000 in a
small matter of \$1000000 by now
making me current in the business which
which have made me the best of my
body and

Yours truly,
John K. Porter

many of my office
in all my business
statements to you
was aware such
other files in off

L. W. Lowell Feb 84

More business

Have time to do
for filing preliminary
Statement now.

and busy on other

business

L. W. Lowell

Sent

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

The Company, THE ASSURED and INSURED assumes only an obligation, shifting the liability, which here
has been placed in the hands of the following members
of the Company, to the extent of the following amounts, and the Com-
pany will not be held liable for any loss or damage to property of the insured, under the conditions
herein set forth, unless the same is a **UNINSURED MESSAGE** as defined by the terms of the contract, under the conditions
herein set forth.

A. R. BREWER, Secy.

NORVIN GREEN, President.

Dated

Received at

To

READ THE NOTICE AT THE TOP.

Testimony tomorrow and
Saturday postponed
will arrange future
time

J W Small

9 D 26

Ref

Blank No. 1.

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This Company TRANSMITS and RECEIVES messages only on condition, limiting its liability, which have been presented to the several States, and to the several cities and companies, and the Company will not hold itself responsible for any loss or damage to the property of the sender, unless the conditions of the contract are complied with. Messages are delivered by request of the sender, under the conditions stated above.

A. B. BREWER, Sec'y.

NORVIN GREEN, President.

Date

Received at

To

READ THE NOTICE AT THE TOP.

office

answered.

New York City 1889
1206 PM
Thomas Edison
Maulo PA

Is Wilber there? Have
letter for him please
we mail it
Posters Lowery force
and Stole

UDA
Posters Lowery force
Kistner 3 Broad St
Send letter to Service

7 A Edison



P.O. Box 4680.

New York, Dec. 21st 1880.

Mr. A. Edison Esq.

Dear Sir:

I am in receipt of notice from the Patent Office, that your application for patent on Telephones, filed Dec. 31, 79 (Case 188) is adjudged to interfere with an application of Amos E. Solbear filed Nov. 7, 1879.

The time for filing preliminary statements is set for March 22nd 1880.

The subject matter involved is as follows:-

"In combination with the diaphragm of a receiving telephone, a rotating, magnetized bar, an arm connected to the diaphragm, and resting upon said bar, and a helix around said bar in the circuit to the transmitter, substantially as and for the purposes set forth. (Edison's 1st claim) (covered by Solbear's 2nd claim)

Yours truly,
Samuel W. Street
Attorney



Held for Wilbur

P.O. Box 4680

New York, Feb. 24th 1880

Mr. A. Edison Esq.

Dear Sir;

Your application for
patent in Telephones, filed Dec. 31. 1879. (p. 188)
has been adjudged to interfere with the
application of G. L. Anders of Boston, filed
Sept. 12. 1879, and that of A. E. Solbreck of College
Hill, filed Nov. 7. 1879.

The subject matter involved is as follows:-

"In combination with a diaphragm, or
other device for producing air waves, a device
connected with said diaphragm or its
equivalent, and causing the vibration
of the same by vibrations produced by
electro magnetism in the friction between
two surfaces moving in contact with
each other, substantially as and for the
purpose set forth." (Anders' claim)

Covered by Golbe's 1st and Edison's
2^d claim.

The preliminary statements
must be filed before 22nd March.

Yours truly
Samuel H. Serrell
R. Pinckney

My February 80
Bill

Regarding Andrew Dickson
and his telephone



P.O. Box 4089

Change to
Wells
New York, Dec. 25th 1890

Wm. P. & A. Eccleson Esq
Dear Sir

Please let me know
whether the expenses of papers
for Australia on Telephone
are to be charged to you or
Mr Landerback: They are just
ready and have been examined and
approved by Mr. Welles?

Can you oblige me by a
check for my Jan per bill?

Yours truly
Lemuel W. Searell



P.O. Box 4689

New York Feb. 25th 1880.

Mr. A. Edison Esq.

Dear Sir:

In the matter of the
interference on Electric Lights,
Edison vs. Marini, the time
for filing preliminary statements
has been extended to March 3rd 1880.

sent file

Yours truly
Lemuel W. Serrell
per Pickens



97'777

P.O. Box, 4689.

ft
New York, February 25th 1880

Thos A. Edison Esq
Dear sir

I send by bearer
the papers and drawings for Patents in Venezuela,
Bolivia, Chili, Uruguay Peru, Argentine Republic,
Colombia, and Brazil, for your Impt. in Electric
Lamps, which were ordered to be prepared by Messrs
Sabbitt & Chauncey— These documents are marked
in pencil at places requiring signature.

Please return them to me at your
earliest convenience and oblige

Yours truly
Lemuel W. Serrell
P. C. Smith

Febry 26/63
Dear Griffin:

I have
checked as requested
to Mr. Correll's
obtained within
rect. for same

Truly
Yours

Wm. M. Fox

Vol 164
page 118

Received from *Wm. A. Edwards Esq* *New York Feb. 26th 1880*
Four hundred and twenty six ⁶⁰/₁₀₀ **Dollars**
by Mr. Fox in full of bill to James L.
Samuel M. Shnell
\$ 426⁶⁰/₁₀₀
— Made & Sold by J. H. B. & Co. N.Y.

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on condition, failing its liability, which have been assumed by the sender in the following terms.
Transmit as directed, subject only to possible a message back to the sending station for confirmation, and the Company will not be held liable for any error in the delivery of the message.
This message is an UNREPEATED MESSAGE and is subject to repetition by request of its sender, under the conditions stated above.

A. R. BREWER, Secy.

3/10/11 MORVIN GREEN, President.

Dated New York July 26 1880

Received at 10 30 am

To Thos Edison
menlo Park N.J.

Time extended to Mon.
third 3rd

L W Larnell

C. D. H. H. H.

READ THE NOTICE AT THE TOP.

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages subject to the following conditions, limiting its liability, which here-
inbefore are made known to the sender of the following messages:
1. Messages are not to be sent by night or by day except by special arrangement.
2. Messages are not to be sent by night or by day except by special arrangement.
3. The Company is not responsible for the loss or delay of messages.
4. The Company is not responsible for the loss or delay of messages.
5. The Company is not responsible for the loss or delay of messages.

A. H. BREWER, Secy.

NORVIN GREEN, President.

Dated

New York 7/26

1888

Received at

1028 am

To House A Edison
Mentor Ohio

READ THE NOTICE AT THE TOP.

I do not know
where Willen is supposed
he was with you
He must be in
Washington you had better
telegram for him direct
I will do the
same

L. P. Lavery

29 SH
H. J.

Giffin
MP

Feb 26 1880

will you please give
me Major Wilbur
address when in City
answers

A. S. Jones

Mr Edison can probably
answer this

Don't know his
address

answered



P.O. Box, 4689.

New York, Feb. 25th 1878.

Mr. A. Edison Esq.

Dear Sir:

I have just received a communication from Messrs. Brandon & Brown concerning your Belgian Patent of Jan. 11, 1878. Telephone, of which I send herewith a copy and also a copy of the notice from the Minister of the Interior, referred to in said letter.

You will notice that Mr. Tuskas & Mr. Bailey will be conferred with on the subject, but if you can furnish me any information that will enable me to answer the inquiry of Brandon more fully, please do so.

Any one giving
no information
I shall not do it

Yours truly
Lemuel W. Ferrell
Solicitor

Copy Translation *file*

Brussels Feb. 6. 1880.

Ministry of the Interior

N^o 146678

Sir,

By a petition dated Jan. 31. last, Mr E. Bede residing in Brussels 41 rue du Marteau demands that Mr. Edison's imported patent taken Jan 11. 1878, for improvements in instruments for controlling by sound the transmission of electric currents and the reproduction of correspondent distant sounds be cancelled in default of not having worked the same within one year of having worked the same in foreign parts. -

Before acting on this petition I request you to state as early as possible and in all cases before the 15th of March next, the dates ~~at~~ at which you commenced working your invention abroad and in Belgium, and that you make known the address in Belgium where the working has been effected.

The Minister of Interior
signed G. Rolin-Jacquemyns -

Copy

Paris 1. Rue Laffitte
le 10 Fevrier 1880.Samuel W. Serrell Esq
140 Nassau St. New York

Dear Sir,

" Confirming ours of the 1st inst
we enclose translation of notice
received from Brussels in reference
to the making of Edison's Belgian
patent of Jan 11. 1878, improvement
in instruments for controlling by sound
the transmission of electric currents
and the reproduction etc

You will note that the reply is
wanted by the 15th of next month.

We shall see Edison's Agent J. Parker
& M. Bailey on this subject as they
may possibly be prepared to give
the required information, meanwhile
we have requested a further delay
of one month as if said infor-
-mation is not forthcoming there
is danger that the patent may
be cancelled by a royal decree."

In the United States Patent Office
In Re Interference
Hiram S Maxim

vs

T. A. Edison

Pat No 214 636

And now comes Thomas

A Edison and for the statement required
by the Patent Office doth say as follows;

I first conceived of the idea of
causing the expansion in a body due to the
heat arising from an electric current to regulate
and control that current early in the Spring of
1878.

I made a drawing embodying
the same April 30 1878 and shortly
thereafter tested the same practically.

Since that time I have devised,
made drawings of and practically operated a very large
number of electric lights in which thermostatic regulators
of many and diverse forms but unitary in
principle were embodied.

(Signed) T A E

Sworn to and subscribed before me this 28th
day of July 1880

J L G

Notary Public



P.O. Box, 4689.

New York Mar. 2nd 1880

Thos. A. Edison Esq

Dear sir

Please execute the
inclosed power of attorney and return it to
me without delay as I must mail it tomorrow
afternoon at the latest:-

The paper is marked in pencil at places
requiring signature &c -

Yours truly
Samuel W. Serrell
Serrell

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on condition, having its liability, which here
has been limited to the extent of its paid-up capital.
Messages are subject to inspection and may be refused for any reason. Messages accepted by the Company
will not be held liable for error or delay in transmission or delivery of messages. Messages
transmitted on UNRECORDED MESSAGE and its delivery is subject to the same conditions.

A. B. BROWNE, Sec'y.

NORVIN GREEN, Pres't.

Date:

Received of

to: Thos Edison

Minto Park

READ THE NOTICE AT THE TOP.

Bankers Cobble from Paris
all patents are in
Edisons name. Belgium
Austria. Italy doubtful
from neglect in compliance
with laws without
legal authorization I
cannot act

26th
Hf

R Clutinger

Pl. Austin for
my

The neglect is not on our
part, The laws of these
Countries require that some
show of working the patent
(i.e.) working a single life phone,
must be carried out within
a certain period. Puskar &
Barkey have been repeatedly
notified to do this by Serrell
Bell. Though Barkey, that Bailey
& Puskar were repeatedly notified to
comply with the requirements of working
the patent in such ~~country~~ ^{country} ~~as~~ ^{as} E

N.Y. Mch. 4. 1880.
Thos A. Ogden Esq
Dear Sir.

CANADIAN PATENTS.

The PATENT LAW which went into effect in CANADA,

1872, contains the following general provisions:

The application must be made within twelve months from the issue of the first foreign patent.

Specifications and drawings are to be in duplicate, and with, petition, and model must be furnished.

A foreigner must select a place in Canada as his nominal address or domicile. (This is arranged through the Agent.)

A patent is granted for FIVE, TEN or FIFTEEN YEARS, and may be extended from one period to the next, but it will expire with the first foreign patent. Government fees \$20 for five years, \$40 for ten years, \$60 for fifteen years.

The next fee on your patent for Duplex Telegraphs must be paid before April 10. 1880 if the patent is to be continued in force.

Patented articles may be taken into Canada during the FIRST YEAR of the patent, but if after that time, such articles are imported by the Patentee or his assignee, the rights will be FORFEITED.

TWO YEARS are given in which to commence the manufacture, but an extension of time may be obtained by furnishing satisfactory reasons. Your patent renewed Dec 4. 1878 requires attention in this particular before April 10. 1877 to avoid risk of forfeiture.

The demand for patented articles must be supplied.

Patented articles are to be stamped, under penalty of a fine.

Patents are assignable either before or after issue.

Corrants can be entered.

Trade Marks can be secured.

Yours truly
L. N. Serrell
H. B. C. C. C.

Smith-Barrell
Mch 5. 1880
219

Will Serrell send copy to Toronto
then have this
done in Canada
will pay Canada Post



P.O. Box, 4689.

New York, N.Y. 29th 1880.

Mr. A. Edison Esq.

Dear Sir; Yours of 29th in
reference to your Canadian
Patent on Duplex & Quadru-
plex Telegraphs received.

Mr. Prescott was notified
as requested, but I have
heard nothing from him
concerning the same.

Yours truly
Samuel W. Serrell
Wm. McKee

John H. Porter,
Governor H. Lawrence,
Geo. W. Allen, Sen.,
Chas. Francis Smith,
Geo. S. Hamilton,
Wm. L. Porter.

P. O. Box 1836.

Porter, Lowrey, Loren & Stone.

Attorneys & Counsellors at Law.

No. 3 Broad St. New York.

March 6th

MS6

My dear Griffin: Will you please
send me for a few days a copy
of the United States letters patent
of the Woodward system of lighting.
His is on business for the Company

Very truly,
Rockwell Kent

S. L. Griffin Esq.

John H. Porter,
Governor of New York.
Gen. Wm. H. Seward,
Chief Justice of the State.
Gen. S. Hamilton,
Wm. L. Porter.

P. O. Box 1836.

Porter, Lowrey, Loren & Howe

Attorneys & Counsellors at Law.

No. 3 Broad St. New York.

March 9th 1836

My dear Griffin: If you will give
me the dates on the letters of
Woodward, that is the date
of filing when granted & I think
it will serve my purpose.
Very truly
Rockwell Link

S. L. Griffin Esq
Cumberland
N. H.



P.O. Box, 4689.

New York, Mar 12th 1880

J. A. Edison Esq
Dear sir

Yours of 10th ins. inclosing
draft of Prov. Spec. for English Patent no. 10.
is at hand. —

I send herewith Declaration for your signature
and acknowledgement before N.B.M. Consul, and
if you return this tomorrow morning, I can
send the appn. by tomorrow's mail.

Yours truly
Lemuel W. Serrell
G. A. Smith



P.O. Box, 4089.

New York March 17th 1880.

Mr. A. Edison Esq.

Dear Sir:

I have to advise you that the 6th annuity on your French & Italian patents on Duplex & Quadruplex Telegraphs, are due as follows: -

France, dated Apl. 28th 1875. No 107359 - due Apl. 28. 1880.
Italy: " " 30. " " 2940. " " 30. "

The French annuity is \$25. and Italy, \$25. including expenses, and the funds should be sent from here by April 3rd 1880, in order to be in time. Please let me know your wishes in the matter.

If pleased would be
pay O.K.

Yours truly
Samuel D. Perrell
Perickney



P.O. Box, 4689.

New York, March 20, 1880.

Thos A. Edison Esq

My Dear Sir

The evidence taken in behalf of
Thos is principally to demonstrate that
his lense shaped carbon is specially
useful and is better than the flat
carbon and that a telephone made
like your Ex. A will not work

In rebuttal I would like very
much to produce a duplicate of your
Ex. A, with a wooden diaphragm and
show that it would work as well as
the Thos telephone and also have an
instrument just like Thos patent draw-
ing except with flat instead of lense
carbon and show that it works as
well as the lense; How soon can

you make the demonstration and
thus enable me to finish up the
rebutting evidence.

I return your copy of spec.
No 183 that got accidentally among
my papers.

Yours truly

Lemuel W. Perrell

My Mother
Lemuel

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THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and RECEIVES messages only on condition, limiting its liability, which have been accepted by the several Post-Offices under its contract. It is not responsible for the accuracy of the messages, and the Company will not be held liable for any loss or damage to the property of the sender, unless the conditions of the contract are complied with. The Company is not liable for any loss or damage to the property of the sender, unless the conditions of the contract are complied with.

A. H. BREWER, Secy.

NORVIN GREEN, President.

Date

Washington DC 2/20 1880
1205 P

Received of

To Edison

TELEGRAMS TOO LATE TO
start last night will
start Sunday night. If
needed before telegraph me
Wilber

16 DA
Hof

READ THE NOTICE AT THE TOP.

Blank No. 2.
THE WESTERN UNION TELEGRAPH COMPANY.

This Company **TRANSMITS AND DELIVERS** messages only on condition, limiting its liability, which have been accepted by the sender of the following message:

Messages to be guarded against delay in transmission, a message mark in the meeting station for reception, and the Company will not be held liable for errors of delay in transmission or delivery. Unrepeated messages will not be held liable for errors of delay in transmission or delivery. Unrepeated messages will not be held liable for errors of delay in transmission or delivery. Unrepeated messages will not be held liable for errors of delay in transmission or delivery.

Yours sincerely as **UNREPEATED MESSAGE** is and is delivered by request of the sender, under the conditions named above.

A. W. BREWER, Sec'y.

NORVIN GREEN, President.

This receipt is not a check and is not to be cashed at the bank.
 A. R. BREWER, Sec'y. NORVIN GREEN, President.
 Dated my 22nd 1880

Received at _____
To Thomas Edison

BEAR THE NOTICE AT THE TOP.

Have your preliminary
Statements on Telephone
interferences on cord
one Eighty Eight dec
in patent filed today
been filed answered

Wm. Small

~~1158~~ 1158

T. A. EDISON,

1

Menlo Park, N. J.,

March 22

1880.

Commr Patents

Washington D.C.

*Have recd. affidavits asking
reeds extension in interferences
with Salber and Anders.*

Thos A. Edison

12 15 H

1226 H0

~~Thos A. Edison~~



P.O. Box, 4089.

New York, March. 22^d 1880.

Thos. A. Edison Esq.
Dear Sir:

I have to advise you that the 7th years tax on your English Patent on Electric Telegraphs, dated April 25th 1873, No. 1,508, is due April 25. 1880.

The amount is \$5.25. including expenses and the funds and patent should be sent from here by April 6th in order to be in time.

I believe the 3rd years tax on this patent was paid by Mr. Reiff, and I have therefore notified him of this 7th years tax being due as above.

Please let me know your wishes in the matter.

Yours truly
Lemuel W. Serrell
New York



P.O. No. 4689.

New York, March 24th 1880.

Mr. A. Edison Esq.

Dear Sir:

The Patent Office has granted an extension of time for filing your preliminary statements in the Telephone interference Edison vs. Bell & others, case 188, until April 5th.

Please get the particulars for these statements together as soon as possible, so that they may be filed in time.

Yours truly
L. M. Derrell
J. M. McKenney



P.O. Box, 4688

New York, March 24th 1880.

Mr. A. Edison Esq.

Dear Sir:

Your application (No. 159) for Telephone, filed Nov. 18th 1878, has been adjudged to interfere with the application of William L. Voelker, of Morton Tel. Co. Va. filed Dec. 6th 1879.

The subject matter involved is as follows:-

"An electrode for a speaking telephone corrugated, channeled, or otherwise caused to present numerous contact points to the opposite electrode"

The preliminary statements in this case must be filed before April 26th

This is the case that now is interference with Gilliland and went in your favor.

Yours truly
Lemuel W. Serrell
Wm. McKney

G. E. LANSING, Manager.

ALLEN & DAM, Proprietors.



ON THE EUROPEAN PLAN

BROADWAY & VESEY ST.

New York, *Bridg* ^{Mch 26} 1880
Mon

Dear Sir,

We have adjourned
to Tuesday - I'll have to go to
at 11:15 P.M. Will be back Mon-
day - Will attend those anti-Prop-
rietary meetings and also one of mag-
netic separation, which I think we
pretend to hurry through.

Truly Yours
Wilber

T. A. EDISON,

Medicinal Preparations

Menlo Park, N. J., March 28th 1880.

To The Commr of Patents

In the matter
of my application for Ingt in Medic-
inal Preparations filed Sept 8th 1879
I hereby appoint W. Dyer & J. F.
Milber of the firm Dyer & Milber
Washington D.C. My Attorneys to
pursue said application, to make
amendments and alterations therein
and generally to do all which I
might personally do in the mat-
ter. —

Witness

My 29

Mar 29. 80
3:00 p.m.

Edison mo

Dr says that delayed by
Mr Carey's absence he has
returned and it will be
closed up immediately

Wilber

T. A. EDISON.

get state

Menlo Park, N. J., Feb 31 1880.

Prelim statement 2 Inter
Case 188 due apr 5
Inter Case 159 due apr
26

line 1  10711 -



P.O. Box, 4689.

64
New York, April 1st 1880

Mr. A. Edison Esq
Dear Sir

In connection with interference
on Telephones. I want to have your
assistant sort out the drawings
and evidence according to date as yester-
day understood; Monday we will
finish up the short rebuttal; after
which and on Tuesday I will go
through with you, number and
list the drawings &c. — and on
Thursday begin the evidence.

I also want any newspaper
articles you may have that
give descriptions from time to
time of what you were doing
so as to show that these

publications brought to life
the dead experiments of
others:

There will be a mass of
papers connected with these tel-
ephone interferences and it will
be important to have some place
in your room where they can be
sorted out and kept under lock and key.

Yours truly
Lemuel M. Perrell



P.O. Box, 4689.

W. L. Senell
April 1 1880

Mr. A. Edison Esq
Dear Sir

Send copies of notices
on the two preliminary
statements that want to
be sent off by Saturday
without fail as they are
due in Washington 5th
this.

Yours truly
Samuel W. Senell

NY April 14th 1930
To Mr. Sewell

Regarding
Anders
Solberg Telephone interference

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THE WESTERN UNION TELEGRAPH COMPANY.

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Messages can be granted service only by repeating a message back to the sending station for correction, and the Company will not hold itself liable for errors of delivery in transmission or delivery. Unrepeated messages.

This message is an UNREPEATED MESSAGE and is delivered by repeated the sender, under the conditions named above.

A. R. BREWSTER, Secy.

NORVIN GREEN, President.

Dated New York April 1 1880
10 17 AM

Received at St. Louis

READ THE NOTICE AT THE TOP.

Monday for testimony ~~stop~~
short instead of tomorrow

Geo. S. Serrill
scalacat

File



P.O. Box, 4689.

New York, April 1st 1880.

Thos. A. Edison Esq.
Dear Sir:

In regard to your enquiry concerning your Canada patent on duplex & quadruplex telegraphs, Mr. Prescott informs me that he wrote the Commissioner of Canadian patents about the matter, and was told by him that the Canadian patent expired with the Austrian patent for the same invention, which was forfeited two years ago by non-payment of tax.

The law on the subject reads as follows "and under any circumstances, where a foreign patent exists, the Canadian patent shall expire at the earliest date at which any foreign patent for the same invention expires."

This Canadian patent I believe is in your possession, and if you desire

any steps taken to endeavor to revive the
game, please send it to me and let me
know your wishes.

Yours truly
Samuel W. Serrell
Winchester

nyapl 12/80
L W Serrell
Residing Ontario
post Winchester

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THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which have been accepted by the public at the following message rates.
Messages sent by special agent only by republishing a message back to the sending station for retransmission, and the Company will not hold itself liable for error of rates in transmission or delivery of Unrepeated Messages.
This message is an UNREPEATED MESSAGE and is delivered by request of the sender, under the conditions stated above.

A. H. BREWSTER, Sec'y.

NORVIN GREEN, President.

Dated

New York 4/5-1886
6:00 PM

Received at

Mr. Thomas Edison

READ THE NOTICE AT THE TOP.

I am called to
a trial in Brooklyn
cannot be with you
until wednesday

L. K. Currier

14 paid
22.9



P.O. Box 4079

New York Apr. 5th 1880.

File
Mr. Thos. A. Edison Esq.

Dear Sir:

I have to advise you that the 5th annuity on your French ^{and} Belgian patents on Autographic Printing are due as follows: -

French, dated May 6, 1876. No. 112,719. due May 6, 1880.
Belgian: " " 8. " " 39,502. " " 8. "

The amount on the French patent is \$25.- including ^{expenses} and on Belgian \$19.- and the funds should be sent from here by April 14th in order to be in time. Please let me know your wishes in the matter.

Belos.

I have notified Mr. G. W.
Yours truly
Lemuel W. Serrell
Whitcomb

T. A. EDISON

Edisons
Following statement in reference
between Edison and Dr. S. B. Lee

Menlo Park, N.J.

1880.

There were several who saw the
invention of the apparatus.

Conceived the idea of making a
Relay a relay whose tongue
work in contact with an iron
Core; the back was rotated by
power and which would be
moved by the difference of force
produced by magnetism in each
1874. Made some drawings
Sometime in August 1876,
which I have. Made and
Experimented with apparatus
same as shown in drawings
within one month of making
the drawings. Applied
the same same principle to
a telephone about ~~March~~ ^{January} 1877.

1879

My nephew
making the ~~Edison~~ apparatus
it worked fairly but not so
well as the same principle applied
as in my ~~application~~ ^{diplomatically} ~~application~~ ^{accepted}

Belmont & Co.
Edison

Anders & Bolkes

11

11

Comp. given to Grace
Apr 5, 1880

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THE WESTERN UNION TELEGRAPH COMPANY.

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Messages can be stopped and sent only by repeating a message back to the sending station for correction, and the Company will not have liability for errors in the transmission or delivery of Unrepeated Messages.

Name of the
A. E. BREWER, Sec'y.

NORVIN GREEN, President.

1409
Dated Washington DC 4/7 1888

Received at
Mr. Thomas Edison

READ THE NOTICE AT THE TOP.

Specification read and filed
will meet Milbur at
Smith's office at ten
tomorrow

Geo. W. Dyer

14. Collect
59¢

Hof

Office for Patents.

140 NASSAU STREET,

Morse Building,

New York. *Appl. 8th* 1880.

Dear Sir:

It affords me pleasure to inform
you that on *April 6th* 1880.
your application for Patent on

Phonographs (case 174)
was duly allowed.

The Patent will be engrossed
for issue on receipt of TWENTY DOLLARS,
the balance of fee payable thereon, if
received within six months.

Yours truly,

LEMUEL W. SERRELL.

Thos. A. Edison Esq.
take it out



P. O. Box, 4689.

New York, April 9 1880

Thos A Edison Esq

Dear Sir

There is no disposition to call
out your testimony before that of
your opponents as evinced by the
fact that pursuant to consents
that have been given, your evidence
in E. B. & M. is delayed until your
evidence in A. B. & C. is taken: Thus
it will be possible to take your whole
history when you are obliged to com-
mence on A. - & then will proceed on
about Apr. 22^d. and be followed by Gray
Richmond & Berliner, then will come your
turn.

While your hand is in, do not
fail to finish your digest of

entire telephone drawings
and history so as to have it
all ready. —

I expect to be with you on
Monday, to go over the same
and over the Chinook evidence,
and to take your testimony
on the Chinook case on Tuesday
I want you to be completely
ready for this, as we have
a rather ~~~~~ customer
to deal with — I send copy of
his specification, and some
other records you will need
in other cases —

Yours truly,
Lemuel W. Snell

Washington D.C. 10 ^{Apr 10-1880} 3 P.M.

T A Edison

Curtis wishes to go on
Monday in maxim interference
Can you reach Wilbur.

Ges W Dyer

1/4 Paid
H.S.

Washington D.C. April 12 1880
23rd

Edison

One twenty six one seventy one
One sixty nine and two twelve
allowed will stay here tomorrow
to work up other cases

Milber

22 N 704
32 4

3 Washn DC, 20

Apr 20⁸⁰
207

Edison
ms

I will be there tomorrow
morning Have amended all
but system case

Wilbur

1257
Hog -



P.O. Box 4689.

New York, April 23rd 1880.

Mr A. Edison Esq
Dear Sir

On case 159 interference
Telephones, roughened surfaces
with Mr Volckers, his motion
to dissolve interference is
set for April 29, and the
time for filing preliminary
statements is extended to
May 13th

Yours truly
Lemuel W. Serrell

Apr 1880



~~Three~~ ^{two} springs like this
were put in evidence
in Chinmook Interference

also



2 - different thickness.
1 - Washers for weight
3 - on big steel spring

Also

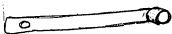


^{quantity} one of these

Patchel or

Chinmook Interference

Chinook itapence
thin spring with
plumbago cup.

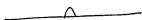


on

Apr. 14 1880

Butchers

Chinook interference



Diaphragm
with circular
wedge point
offered as an

exhibit and taken

marked

Edwards

17-13

Apr 14 1880

Batchelor

Brass diaphragm like this
sent as exhibit in



brass with polished surface

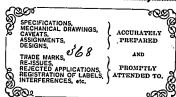
Chinook Case

Apr 14th 1880

Batchelor

New York, May 1 1880

Edison Telephone Co of Europe



To **LEWIS W. SERRELL**,

Solicitor of American & Foreign Patents,

MORSE BUILDING,

No. 140 NASSAU STREET.

1880					
Feb	25	To seven assignments from Edison to Co		21	
Apr	17	" Charges in Europe on opposition of Holdingfast to German Pat			
				7 50	
				28 50	
Recd Payment May 27/88					
Lew W. Serrell					
Hence					

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and RECEIVES messages only on condition, binding its liability, which here-
unto assumed in by the sender of the following message:
Messages can be charged and sent only by sending a message back to the sending station by return, and the Com-
pany will not be liable for any delay in the transmission or delivery of Unrepeated Messages.
This message is an **URGENT** and is delivered by request of the sender, under the conditions
stated above.

A. H. BREWER, Sec'y.

NORVIN GREEN

Dated Washington D.C. 5/1 1888

Received at

to Edison

Menlo Park N.J.

READ THE NOTICE AT THE TOP.

Having drawings made here
will be up Tuesday
with case complete
Wilbur

11 SAH

4/4



100 NASSAU STREET,

P.O. Box, 4689.

I sent on the preceding statement
but Notary did not sign it. This was
New York May 30 1880
10 or 15 days ago. I am afraid of the
not probably discount error
Wm. & Edison Esq
Dear Sir will it be ok -

In the interference with Mr Voelkers on
the telephone in which you have the surplus
that are scored across each way, Mr Voelkers
counsel wanted me to consent to the dis-
solution of the interference, he taking a claim
for his details and you as yours; I told
him I could not consent without in-
structions and opposed his motion to terminate
the interference, because I consider that the
two devices, yours & his, are substantially alike.

I have obtained a copy of his specification
and drawing and send them herewith for
your inspection: Please return them to
me with your views. I am under the
impression that Voelkers is seeking other
claims for devices that you have made
and used, but which you have not

as yet asked a patent for. Should there
be such, is it your wish to make such
new application.

Until May 13 has been allowed for
your preliminary statement in this case
which is N^o 159 Please send it in time -

I have not received the specification
back from you in case 159 that is to
go into interference with Fitch; what
about it?

Yours truly,

Lemuel W. Serrell

May 11 1878
Lemuel W. Serrell



P.O. Box 4689

all

140 NASSAU STREET,
NEW YORK.

*Telegraph Co's agent to pay
these cables = Bell Carriage
Co's charge = 47 Skops
May 4th 1886.*

Thos A. Edison Esq.
Dear Sir:

Dear Sir: I have to advise you that the 3rd annuity on your French, Belgian and Italian patents in Phonograph, is due as follows: -

French: patent dated June 7. 1878. No 124974. Exp due June 7. 1880.	
Belgium: " " " 8. " " 45.375. " " " 8. "	
Italy. " " " 22 " " 10.160. " " " 22 "	

The amount of these annuities, including expenses, are, French \$25. Belgian \$15. & Italian \$20.

The funds should be sent from here by May 19th in order to be in time.

Please let me know your wishes in the matter.

Yours truly
Kenneth M. Serrell
Hickory



P.O. Box, 4689.

New York, May 7th 1880

T. A. Edison Esq
Dear sir

Yours of 6^{ms}.
to hand — I send herewith copies
of spec. and drawings of last three set of
Continental Patents for Electric Lights.
These copies are complete except the
specification for no. 6. of which I am out
but I will have a written copy made for
you if you desire it —
These three sets of papers correspond with
English Patents nos. 6. 8 & 9. no continental
patents have been applied for British Patents
nos 7. & 10 —

Do you want no. 10 British Patent sealed? Prov.
Protection for it was granted April 5 last.

Wm. H. Serrell

Yes

Yours truly
Samuel W. Serrell
per Wm. H. Serrell



P.O. Box, 4089.

New York May 10th 1880

Thos A. Edison Esq

Dear sir

My foreign agents
have called for more copies of spec.
and drawing of the last two sets of
foreign applications. I have mailed
to ^{you} ^{these} day these documents for your signa-
ture at places marked in pencil -
No witnessing required - do not fill in
dates

Please return these to me at earliest
moment & oblige

Yours truly
Lemuel W. Serrell
LWS

My May 10 80

Sevell

Regarding Copies of *L. L. L.*

110



P.O. Box, 4689.

New York, May 11th 1880.

Mr. A. Edison Esq.

Dear Sir:

The present is to enquire if your preliminary statement on the interference on Telephone with Voelker, (page 159) has been forwarded to the Patent Office.

This statement you will remember is due in the Patent Office May 13th.

Yours truly
Samuel W. Serrell
Wm. H. Knicker
Jas. H. Knicker

7
Meno Park N. H. May 12. 1880
To The Commissioner of Patents Washington.

Edition

Volker

Thor. A. Edison of Meno Park Middlesex Co.
State of New Jersey being duly sworn deposes and says that he is a party to the
interference declared by the Commissioner of
patents between the application of Edison
No. 159. and the application of Volker. That
he conceived the invention set forth in the
declaration of interference on or about July
20. 1875. That the invention was reduced to
practice July 26. 1876. since which time deponent
has made many machines in various
designs embodying the subject matter of the
invention in controversy.

Thor. A. Edison

Subscribed and sworn to before me this _____ day
of May 1880

T. A. EDISON,

Menlo Park, N. J.,

May 13th

1880.

Preliminary statement in the
interference between the application
of Edison and Walker
of Thos A Edison.

I conceived the idea of making
one of the electrodes of
an electric circuit in
an instrument for telephonic
transmission of a multiplicity
of contact points as early
as July 1875-

Reduced the invention to practice
about July 26 1876, since that time
have constructed many instruments containing
similar features to that in controversy
~~Made an instrument exactly like~~

~~the apparatus shown in my~~
~~application in~~ 1877.

~~Made further apparatus in~~
~~1878-~~



P.O. Box, 4689.

New York, May 16th 1880

T. A. Edison Esq
Dear Sir

I have sent to you
by this mail a package containing papers
for completing your British Patent, no 6. Electric
Lamps -

The claims have been written on the paper
copy only, and if they meet your approval
please sign and have witnessed at places
marked in pencil -

If you make any changes, sign on the
blank sheet of paper so that the last
page may be re-copied - Return papers as soon
as possible to oblige

Yours truly
Lemuel W. Serrell
for A. Smith



P.O. Box, 4689.

New York, May 17th 1880.

Thos. A. Edison Esq

Dear Sir:

Please send me a copy of your preliminary statement in the interference Edison vs Voelker. Telephone, (case 159) which was forwarded to the Patent Office by you.

Yours truly
Samuel W. Serrell
Winckley

Nymay 17.50

LW Swell

Regarding Prelim Hs in
Volker Case
copy sent Swell
May 16.50 er



P.O. Box, 4689.

New York, May 18 1880.

Thos. A. Edison Esq
Dear Sir

Please send me
as soon as convenient for a package
of Foreign Electric Light Patents
now in my possession.

These are the patents Mr. Griffin
said you would take charge of instead
of delivering them to the Elec. Light
Companies.

Yours truly
Lemuel W. Luzzell
W. L.

Griffen Tel. to ~~West~~ Dyer + Wilbur
Washington DC

Say Mayor Wilbur
must be here tomorrow without
fail very important answer.

A Edison

(May 12, 1880)



P.O. Box, 4089.

New York, May 19 1880

Mrs. A. Edison Esq

Dear Sir

We have papers ready for Canada Patents corresponding with the last two Continental sets of patents. We understood that U. S. applications had been filed, hence the terms of the Canada patents will have no bearing upon the duration of the U. S. patents.

It was suggested that three Canada patents might be taken for 15 years instead of only five years (and the extension to 15 years), but

not having any definite instructions from you in the matter, the present is to enquire whether these Canadian applications shall be entered at once for 15 years or be entered for 5 years and afterwards extended as the other Canadian patents have been;—

The Canada application corresponding with the last British, and for which you sent me a model, had better not be entered until the U. S. application has been filed; and on this case the particulars have not been furnished as yet, except so far as English P. P. applies

Yours truly
Samuel W. Barrett



P.O. Box, 4689.

New York May 22nd 1880.

Thos. A. Edison Esq.

Dear Sir:

I have to advise you that
your French and Italian patents on
Phonographs require to be worked in France
& Italy before the dates given below
French, dated June 7. 1878, No. 124974 must be
worked before Sept. 16. 1880.
Italy dated June 22. 1878, No. 10160 must be
worked before July 4th 1880.

Yours truly,
Jemuel W. Serrell
Per Wm. H. W. H. W.

Phonographs have been made in
France since the patent
does not that comply with the law -

some with the law
others without

Washington DC May 24/00
365/22
Edison memo book

Company wanted report on
woodward had to come
here back wednesday with
railroad case complete
Wilber

15 paid
Hof

5- May 26, 80
NY 26 Thomas A Edison
OK file

Verrell tells me you have now
assignments ready for execution of
all telephone patents will you ~~execute~~
execute them and send them to me or what
otherwise Patents for Russia cannot be
assigned to a corporation

Doren

35 paid
Hof

John K. Porter.
Gessner H. Lewis.
Gen. Walter Sauer.
Chas. Francis Stone.
Geo. S. Hamlin.
Wm. L. Porter.

P. O. Box 1836.

Porter, Lowrey, Loren & Stone,

Attorneys & Counsellors at Law,

1 enclosure No. 3 Broad St. New York.

May 28

1880

Thos A Edison Esq
Dear Sir

At Mr Loren's suggestion I enclose
your assignment of letters Patent 227,226-7-8-9 - for
your execution - the Company being desirous of
having it -

Very Respy

R. E. Owen

for P. L. Apple

Write & ask if all the patents

in assignment refer to

Electric lights =

Return assignment signed

NY 32
P. A. Edison
ms

June 3^d 1880
1050

I have looked them all over and
think they relate substantially
only to light. *Doren*

14 Paid
H. G.

Refers to the
assignment to this
other day which
you signed



P.O. Box, 4689.

New York, June 3rd 1880.

Thos. A. Edison Esq.

Dear Sir:

Yours of 2nd inst. recd.

If there is any informality in your preliminary statement in the Volker interference, the Patent Office will call attention to it, and give you an opportunity to correct the same. It will be all right.

Yours truly,
Lemuel W. Serrell
W. Wickney



P.O. Box, 4689.

New York, June 8th 1880.

Thos. A. Edison Esq. of file
Dear Sir:

Referring to yours of 4th inst. in regard to working the Phonograph in France and Italy, evidence should be taken showing the working of the invention, and the privilege of manufacture and use should be arranged for, so that the articles can be obtained and used in those countries, and their manufacture established.

Yours truly
Samuel W. Serrell
Wm. H. H. H.

June 8 1880

LW Serrell Esq

Dear Sir,

Please ascertain

if all the annuities on Electric Light patents
outside of the U.S. have been paid, Keep
Everything paid up, as I have authority
to draw for the money for that purpose,
at any time.

How about the annuities on the Telephone
in various countries, have you means
of knowing if all have been paid
or what have not been paid, I see
that Denmark Ed is a 5 year patent
don't take out Denmark hereafter for
5 but 15 if that cannot be done
we had better not take it at all.

Yr

T A Edison



P.O. Box, 4689.

New York, June 11th 1880

J. L. Griffin Esq.,
Dear Sir,

The enclosed memorandum is correct except \$1.²²/₁₀₀ for Telegram.

There are two telegrams charged in the item \$82.⁶³/₁₀₀ and that is all I know of to this account, the 1.²²/₁₀₀ may have been paid by Mr. Cutting.

Statement
Paid of Jan'y 1st 1880 \$60. Paid Feb'y 28 - 1880.
" " March 12th " \$2880. " " " " 27 - "
" " May 1st " 82.63 " " May 29. "

Yours truly
Lemuel W. Serrell
A. Serrell

all previous charges entered
on note
1880
Feb 76 A. Serrell / 60.
Mar 77 do / 2880.
April 2 Telegram 1.²²/₁₀₀
May 27 L. W. Serrell / 82.63
\$302385

NY June 11. 80

Dr. J. L. S. S. S.

Regarding E. L. patents
paid for by James H. Bunker



P.O. Box 4689.

ok file

New York, June 11th 1880

Thomas A. Edison Esq.
Dear Sir

Your favor of 9th inst.
to hand and contents noted.

Directions were sometime ago received from the Edison Elec. L. Co. of Europe & Edison Tel. Co. of Europe to pay all Elec. Light & Telephone annuities as they came due and send the bills to them, - this has been regularly done since, ~~all~~ they are all paid up to date.

In regard to the Denmark patent, it is entirely optional with the government of that country for how long a term they will issue a patent for.

While we asked for a ten year patent, we only got five which is the usual term

Yours truly
Lemuel W. Spruell
W. Spruell



P.O. Box, 4689.

New York, June 14th 1880.

Thos A. Edison Esq

Dear sir

Please send in
tomorrow afternoon for the papers
for completing British Patent no. 71
and oblige

Yours, truly
Lemuel W. Serrell
Jn W. Smith

N. 417

June 17 80
345-

E. L. Griffin ms

Call on me when next in
town want some testimony

Doren

10 Paid
S. G.

GEO. W. DYER,
ATTORNEY AT LAW,
Practices in the Supreme and other United
States Courts, and before Com-
mittees of Congress.

LOCK BOX 100.

Important
DYER & WILBER,

Solicitors of American and Foreign Patents, Counsel and Advocates in Patent Cases.

Z. F. WILBER,
Late Examiner of Patents,
and Principal Examiner
United States Patent Office.

NO. 517 SEVENTH STREET,

Washington, D. C., June 17th 1880

Dear Edison

On yesterday (Wednesday) I received telegram that important matters must be attended to immediately, so I came right down here. I found letters from Loomis and from Brown and from Goddard.

First, The Electric Dynamoe Light Co (Harvey & Drann people) have written claiming that in everything we do we infringe something of theirs. They give 5 pages of specifications. Loomis wants this examined and reported on immediately.

Second, the Siemens people have been crossing that they have a patent & read I have an order from Goddard - "This company desires you to take every possible means to contest the issue of such patent."

Third, another report wanted on Woodward patent.

These matters have to be attended to

immediately and will take 5 or 6 days head work.

In the German matter you were amended
~~and of the matter of the case and was left as follows~~
stating our patent as amended into. We must
get back in some way in order to move to
quash the whole thing on the ground of prior
public use. I can get the date but we
can't use it as we ain't parties. So I'm
going to make a motion to institute me as
your patents, this, or as not to dilute any
applications and at the same time be in the
case on something that can't be hurt by
any decision in the case. — You will
give direction immediately, unless you prefer
to litig.

He sent a scrawl every day till it
returned.

Only
Valley

I examined English 7 in Penell's office
said to Penchey to send it ahead, O.K.

DAVID MITCHELL

Notified Hughes



P.O. Box, 4689.

New York, June 26th 1880

J. A. Edison Esq

Dear sir

*Please send on Monday
for papers for completing your British
Patents nos. 8 and 9, and oblige*

*Yours truly,
Lemuel W. Serrell
for C. H. Smith*

Tuesday ^{my June 29 80}

Dear Editor

I ^{file} came up
yesterday, expected to be at
Meals today but I'm used
up - Lonsdale will probably
be down tomorrow (Tuesday)
Has made arrangements for
havanis and a party to go
down Friday - I'll be there
early Friday morning - got to
Washington tonight but will
be back at Meals Friday
A. M.

I enclose copy of my
report on Woodward - How
strict and the thing which
I'm hunting up. Aches of Wood
ward on Melt's Arc
I enclose Man's Blast

NY June 29. 98
Wilton E. P. Co.

and my reply, - I want
you to read them,

Reply means a to
them, I wouldn't go into
particulars in my reply
for that would educate
Man up to us. -

Truly
Wilton

T. A. EDISON,

Menlo Park, N. J., July 1st 1880.

Mr. Wilbur,

Care Wilbur & Co.
Washington
D.C.

When will you be at Menlo
important-

T. A. Edison
B

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and RECEIVES messages only on conditions, limiting the liability, which have been submitted to by the sender of the following conditions.
Messages will be sent only on condition of the sender's liability for completion, and the Company will not be held liable for any delay or non-delivery of the message.
This message is an **URGENT** MESSAGE and is sent under the conditions of the sender, under the conditions and above.

A. R. BREWER, Secy *to* 1 NORVIN GREEN, President.

Dated *Washington DC* 1880

Received at *Meulo Park* 1 1255 pm

To *Edison*

READ THE NOTICE AT THE TOP.

Meulo Park
Have arranged to be at
Meulo Park tomorrow
morning early.

Meulbur

10 Del Hoxe
1255 pm

file



P.O. Box, 4689.

New York July 6th 1882.

Thos. A. Edison Esq.

Dear Sir:

Yours of 2nd inst.

recd

I find I have a receipt dated June 10th 1879 signed by Mr. Griffin for the English Patent No 2909.

I have no knowledge as to where the Patent is now.

Yours truly
S. W. Serrell
Wm. McKenney



P.O. Box, 4689.

New York, July 6th 1880.

Mr. A. Edison Esq.

Dear Sir:

I have to advise you that the six months allowed for payment of the final Government fee on your application for patent in Addressing Machines (case 137) allowed Jan 24. 1880. will expire July 24. 1880.

Please let me know your wishes in the matter.

Yours truly
Emuel W. Serrell
A. Buckney

Pay at exchange to inc



P.O. Box, 4689.

New York, July 6th 1880.

Thos. A. Edison Esq.

Dear Sir:

I have to advise you that the 5th annuity on your Italian Patent on Autographic Printing, dated Aug. 26. 1876. No 8733, is due Aug. 26. 1880.

The amount of this annuity is \$20. including expenses, and the funds should be sent from here by Aug. 7th 1880, in order to be in time.

Please let me know your wishes in the matter.

Yours truly
Samuel W. Serrell
Per Kinchney

Let it up.



P.O. Box, 4089.

New York, July 9 1880

Mr. A. Edison Esq

Dear Sir

On the Short interference the Examiner thinks that what you did was an experiment and made to develop a theory, and that you went on with other things and hence that Short is entitled to the patent. This is an utterly unreliable action and ought to be reversed: I have notified the Company: What is your idea as to appeal?

Yours Truly

Samuel W. Westcott

Willow what shall I say
to Derrell - shall I give
notice to appeal

ES

Keene Valley N.Y. July 18th 89
H.A. Howland
no ans

file, Patent E Light

John W. Howe

Keene Valley N.Y.

July 18, 1880

Thomas A. Edison Esq.

Dear Sir,

I received your letter just as I was leaving here to go camping out on the Ausable Forks, and so could not do more than write out a few notes for my sister to answer you by. I have now sent instructions to Baltimore to have the armature sent to you, and it will probably

arrive a few days
after this letter. The
following is a section
of it.



There were two series
of coils, one for changing
the magnet and the
other for the electric light.
I have documents by
which this date can
be proved, and believe
it is, Oct. 1869, which
is long before the
Gramme machine was

invented. I do not suppose they
will give me a patent but you
can at least prevent someone obtain-
ing one. And I collected many pieces.
I also have the other parts of
the machine, the magnets being
long like yours. I cannot send
you the perfect scientific specimens
unless you think it necessary
to go to Newark for them.

Yours truly
H. Williams

10th August
July 25.

Per
Mail

Graham's House
Keene Valley
July 25/80

Mr. T. A. Edison,

Dear Sir,

I suppose that
you have by this time
received the remittance
which I ordered - to
be sent some time
since. You request
me in your letter
to make out an

application for a patent
but I have not the
slightest idea how to
do it as I never had
anything to do with
patents. There is
probably up here to
consult on the matter
and I must
ask you to advise me
on the matter.

I have sent out
the outline of the
machine but believe
I have the other parts

Wm. H. H. H.
H. A. H. H.



P.O. Box, 4689.

New York, July 27-1882.

Thomas A. Edison Esq.
Dear Sir,

I am in receipt of a telegram from my agent in Berlin as follows: "Send instructions both Edison cases before August 15th."

From this you will see that they require the points and argument on the two German applications to be filed over there before Aug. 15th.

If these papers go by Saturday's fast mail they will be in time.

Please let me have the particulars not later than Friday as Saturday's mail closes early.

Yours truly,
Lemuel W. Terrell

2
Washington D C 28 July 28.
11.07
T A Edison

Number of patent is
two Eleven two sixty two
date Jan'y Seventh Eighteen
Ninety nine

Dyer & Wilbur

15-877
5a 9

copy to general



P.O. Box 4089.

New York July 31 1880

Thomas A. Edison Esq.

Dear Sir

Your communication of 29th inst. about Australian Telephone patents received.

The papers were prepared complete for Telephone patents in New Zealand, Victoria, New South Wales, Queensland, and South Australia and were sent to Mr. F. R. Wells the agent or representative of the Western Electric Manufacturing Company and said company paid the expense.

Should you require further particulars please advise

Yours truly
Lemuel W. Serrell
H. Serrell

Mr. Thomas Edison,

Dear Sir,

Happily I accede to your offer. I have a perfect Siemens armature made about 1889, together with other parts of the machine and can prove the date by proper documents. The wire was wound longitudinally and revolved around a stationary iron core. It is about a foot long and three inches diameter.

My brother, ^{Alfred} ~~Robert~~ ^{of} ~~Providence~~ ^{Providence} received your letter, just as he was leaving Rome Valley, and in great haste wrote the two lines, which I enclose. He wished me to add, that he would send the armature to you, at once, but the papers, which are in the city, he would be glad to have, until fall, unless it is absolutely necessary, for you to have them.

My brother will return to this place in a few days, and his address will be at the Hotel Rome Valley, New York.

Send on the March

& we will put it together

Prepare the appn

Yours truly

A. H. Prosser

✓ Keene Valley N.Y. July - 80
Prof Rowland
19 July 1980

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

The Company TRANSMITS and DELIVERS messages only on conditions, limiting its liability, which have been assumed to by the sender of the following message.

It is to be distinct and not only by repeating a message back to the sending station for comparison, and the Company will assume their liability for errors or delays in transmission or delivery of telegraphic messages.

This message is an UNREPEATED MESSAGE and is delivered by request of the sender, under the conditions stated above.

A. R. BREWER, Sec'y.

NORVIN GREEN, President.

Dated Washington D.C. Aug 4th 1880

Received at Marble Park

To Thos. A. Edison

READ THE NOTICE AT THE TOP.

Process for treating
Quarterns Sulphur.

Dyer Millers

5 D.H. Ans

10.15 Am



P. O. Box, 4689.

New York, Aug 5th 1880.

Thomas A. Edison Esq.
Dear Sir,

I have sent
you this day in a separate
package the drawings of
applications Nos 200.-101-02-03
-04 which were left with me
by Mr. Kilbur.

Yours truly
Lemuel W. Serrell
W. Serrell

Ok file **Office for Patents.**
120 NASSAU STREET,
Morse Building.

New York. *Aug. 6-1880*

Dear Sir:

It affords me pleasure to inform
you that on *July 26-1880*
your application for Patent on

Impt. in Telephones No 181.
was duly allowed.

The Patent will be engrossed
for issue on receipt of TWENTY DOLLARS,
the balance of fee payable thereon, if
received within six months.

Yours truly,

LEMUEL W. SERRELL.

To Thomas A. Edison Esq.

2588.29
2449.91

38.38
Aug 12th 1880

Menlo Park, N. J., Aug. 12th 1880

From
Reed & S. L. Griffin Esq
Two hundred and five dollars in
the form of patent fees advanced for
J. F. Edison. —
Oscar S. Milner
per J. F. Milner

August 12, 1880

Mr. C. H. Ford

JO BURKE, FRASER & CONNETT, Dr.

SOLICITORS OF AMERICAN AND FOREIGN PATENTS.

37 PARK ROW, NEW YORK.

To extra labor in making additional
view in drawings for French
patent, and correcting the speci-
fication correspondingly.

72,10

118929
 10500
 33333
 12833
10000
 185595-

Wilber
 Aug 12/80
 Receipt
 20500

118929
 10000 German
 12833
141762
 1200
 140562 German
 125 Wilber

Anne Smith
 Aug 12/80

International Office
for the prosecution of Patents of invention.

Ventura Serra

Engineer

No. 390

24 Condal Street

Barcelona August 13. 1870.

Mr. Thomas Alba Edison,

Menlo Park.

Dear Sir, I have the honor to officially remind you, that in accordance with what is prescribed by articles 13 & 14 of the law of July 30. 1878, you will be obliged to pay, before the 4th. of October, the amount corresponding to the second ^{annual} instalment on the Patent of invention that, for 20 years and on improvements in electric lights, was issued to you on the 4th. of October 1879, and in case you fail to do so, the same shall be revoked, as is prescribed in article 46 of said law.

If you desire that this office shall take charge of attending to that, please, send us in time, the sum of 25 pesetas, that including the amount of the annual instalment which is to be paid, expenses and fees.

Yours &c

Ventura Serra.

T. O.

In case the yearly instalment shall not be paid
through this office, we shall not inform the inventors
the date when the subsequent instalment will be
due.

per 22/1/1877
Relating to payment of American
on Spanish letter
and 22/1/1877

International Office
for the promotion, sale, investigation and all
classes of business, relating to Patents in Spain
and in foreign countries.

Ventura Serra
Consulting Engineer 24 Condal street
No. 61. Barcelona August 26. 1880.

Mr. Thomas Alva Edison
Menlo Park. N. J.

Dear Sir, I have the honor to remind you that
in accordance with article 38 of the Patent laws in
force, you have to prove or establish the fact (before
the 1st day of February, 1881, on which date the
two years of the issue of your Patent will expire)
that you have put in operation in the Spanish
dominions (establishing a new industry in the country)
the object of your patent of invention granted in
your favor for improvements in the medium of
producing the electric light.

In case that you fail to do so, you will incur
in the penalty of caducity in accordance with what
is prescribed in article 46 of said law.

If you have put the same in operation and
desire that the proper memorial be prepared by us
and that we should attend to the resolution of
same, please, send us the sum of ten pesetas, for

our fees, revenue stamps and disbursements, and also tell us the town or place where you have put in operation your invention, so that the officers of the Conservatory of Arts may apply to satisfy themselves of the fact, doing, for such purposes, whatever they may deem proper.

Yours &c &c
Ventura Serra.

NY Aug. 24th 1880
 Thos. A. Edison Esq.
 New York
 I have the honor to
 acknowledge the receipt of your letter of the 21st inst.
 and in reply to inform you that the same has been
 forwarded to the proper authorities for their consideration.
 I am, Sir, very respectfully,
 Yours truly,
 Lemuel W. Ayer

T. A. EDISON,

Menlo Park, N. J., *Aug 25th 1880*

Geo. W. Dyer
 519-7th St. W.
 Washington D.C.

Send as soon as possible copies
 of Ayer's patents on concrete
 pavements,
 T. A. Edison

✓ m/ Boston Aug 30 - 1880
H. A. Rowland
No 110

AMERICAN ASSOCIATION
FOR THE
ADVANCEMENT OF SCIENCE.
—
TWENTY-SIXTH MEETING.

Mass. Institute of Technology,
Boston, Mass., August 30, 1880.

Mr. J. I. Edison

Dear Sir,

I thought that
you understood from
one of my letters that
I could not give the
details of my machine
until I returned to
Newark or Baltimore in
September, and so I did
not answer your letter.
I shall be in Newark in
a few days and will
then bring everything
to Menlo Park and we

Can then see how the
mattered stands. It is
so long since I made
my machine that I
am afraid the patent
can not be obtained,
but you can at least
prevent Siemens from
obtaining one. I expect
to see you next Monday.
My address in Newark
is 23 Halcy St.

Yours truly

H. A. P. [unclear]



to
P.O. No. 1000
Give notice to
Complete English & Foreign
the other
Completed
New York Aug 31st 1880
Jno A Edison Esq

Dear Sir

I have received from Maj. Wilson
the papers for English Provisional No
12, and they will go by the next
steamer to be taken as a com-
-munication: He says the "same
when completed to be completed for all
foreign countries" &c. — Is it desired that
notice for sealing this patent in England
be given right away, as has been usual
with your other English patents? and
is it desirable to prepare for the
patents in other countries at present,
if so can you furnish sketches of the
various things spoken about, or

had I better send down a
draughtsman to take the sketches
from the articles.

Yours truly

Linnell M. Serrell

My dear Mr. Serrell
21.11.1830
Received by Mr
21.11.1830



P.O. Box, 4689.

New York Aug. 30th 1876.

Thomas A. Edison Esq.

Dear Sir:

Yours of 26th inst. received.

I have made a list of all your Caveats, with the date and subject given, and send it enclosed.

Please let me know if you desire a copy of the specification and drawing of each of these Caveats, or if there is any that you do not wish copies of, other than what you mention as already having.

Yours truly
Jennifer W. Serrell
Per J. W. Serrell

No. 44.

HALF RATE MESSAGES.

THE WESTERN UNION TELEGRAPH COMPANY.

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Messages can be placed only by repeating a message back to the sending station for acceptance, and the Company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages.

The message is an INTERNATIONAL MESSAGE and is subject to the laws of the state under the conditions stated above.

A. R. BREWER, Sec'y.

MORVIN GREEN, President.

Dated Washington D.C. Sept 5 1880

Received at Meade Park

To J. A. Edison

READ THE NOTICE AT THE TOP.

Will be at Meade

Wednesday.

J. F. Wilson

6 P.M.

10:25

8:15 Am



for trip
P.O. Box, 4689.

New York, Sept. 7th 1880.

Thos. A. Edison Esq.

Dear Sir:

I have to advise
you that the 5th annuity on
your Austrian Patent of
Autographic Printing dated Oct 6.
1876, is due Oct 6. 1880.

The amount of this annuity is
\$25. including expenses, and the funds
should be sent from here by Sept.
22nd in order to be in time.

Please let me know your
wishes in the matter.

Yours truly
Samuel W. Serpell
H. B. McKee

T. A. EDISON,

Menlo Park, N. J. (Sept 10) 1880.

L. W. Service

140 Nassau St
N.Y.

Have you got the last
English Provisionals off yet

T. A. Edison

T. A. EDISON,

Menlo Park, N. J. (Sept 10) 1880.

L. W. Service

140 Nassau St. N.Y.

Have you got
the last English Provisionals
off yet

T. A. Edison

Sept -

114

Sept 10th 1880

T. A. Edison

yes they have all
gone

L. W. Serrell

T. A. EDISON,

Menlo Park, N. J.,

Sept 13th 1880.

My dear Wilbur

Send me tracing
quick of two hundred and three
fifty and Sixty. have
Photolithographs two forty
Six made immediately number
figures twenty one and upward

T. A. Edison

GEO. W. DYER,

Attorney and Counsellor at Law,

519 Seventh Street,

Lock Box 100.

Washington, D. C., Sept 13 1889

Prof S. A. Edison,

Mt. Park, N. J.

Dear Sir, We have

your telegram of this day. "Send me tracings
quick of two hundred and three, fifteen and
sixteen, have photolithographs two forty six
made immediately no figures twenty one
and up ward." We enclose tracings of 203,
215 and 216. It 246 has been photolithogr-
aphed, as we understood, although not sent up
to our office yet. The figures have not been
photo^d. so we prof are to put them in by hand
commencing with 21.

(Of. writer was handed your telegram today
and will visit you on Wednesday afternoon
next, as before stippled.

Yours truly
Geo. W. Dyer

NY 14

Sept 14th 1870

T. A. Edison

Menlo Park

Ten years is the longest term of
patent in Russia can obtain ten
years and perhaps more in
Sweden Denmark and Norway
may not exceed five years
do you wish patents applied
for in these countries answer
by Telegraph

L. W. Serrell

29 Recd

~~1~~ L. W. Serrell NY
~~Apply for~~ Do not apply
for patents where they are
less than fifteen years
T A Edison

12 157 1140 9, 9f



P.O. Box, 4089.

New York, Sept. 16 1882.

Thos A. Edison Esq.

Dear Sir:

Please sign the enclosed order, and return it to me, as it will be necessary to obtain several of the copies of your Caveats from the Patent Office.

Yours truly,
Lemuel W. Serrell
Per: [Signature]

The General

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and RECEIVES messages only on conditions, limiting its liability, which have been assumed to by the sender of the following messages.
 Service can be secured against delay by replying a message back to the sending station by comparison, and the Company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages.
 This message is an UNREPEATED MESSAGE and is delivered by request of the sender, under the conditions named above.

A. N. BEECHER, Secy.

MORVIN GREEN, President.

Dated Cable No 4 11 1880

Received at Mt. Park 11

To J. A. Edison

READ THE NOTICE AT THE TOP.

Answered by John
 Mt. Park, N.Y.
 Investigate and
 secure if you approve
 telephone call Bliss
 Patented Discovered
 telegraphic Journal
 July first
 Courant
 15 London
 D.V.
 on

Sept 17/80
to Edison

My dear Mr. Edison
I have the honor to acknowledge
the receipt of your letter of the
15th inst. in relation to the
patent for the improvement in
the method of making
the carbon for the
electric arc lamp. I am
pleased to hear that you
are interested in this
subject and I am sure
that your efforts will
be successful. I am
very respectfully,
Yours,
J. H. P.



P.O. Box, 4689.

New York, Sep. 22nd 1880

Thos. A. Edison Esq

Dear sir

Yours of 21st inst. to hand

The taxes on the Spanish Patents referred
to were paid in time. -

Mr. Barker, some time ago, instructed me
to pay taxes on all foreign Electric Light
Patents, which I have done, and which I
will do in the future as they fall due,
unless I receive instructions to the contrary.
In consequence of these instructions I do
not send you the usual notices of taxes
falling due on Elect. Light Patents.

Yours truly
Samuel W. Serrell
per W. Smith



P.O. Box, 4689.

New York, Sep 24, 1880
Prof. write Silliland and ask him if he
did not make an assignment of the device
which can now be made to Jay Gould
Prof. Wm A Edison

Dear Sir

Have you heard anything
from Mr Silliland on the Nicholson
matter? I sent on the cross questions
to be used at his examination and
also the order to Patent Office for
a copy of the assignment to Jay
Gould; This morning I am in
receipt of a letter saying that
no such assignment has been
recorded, so we will have to get the
information elsewhere.

Yours truly
Lemuel W. Ferrell



P.O. Box, 4689.

New York, Sep. 24th 1880.
Johnson is here send Cope here

Thos. A. Edison Esq

Dear Sir

The order for drawing and
spec. of your caveat N: 90 on
Telephones was duly recd; the speci-
fication is copied, the drawing was
ordered from Patent Office 22 inst. as
I only have the rough sketches -

So Mr Johnson at Muds Park
or where shall the copies be sent
as soon as completed?

Yours truly

Lemuel W. Serrell



Ans^d Oct 1, 80

Grp Say
P.O. Box 4689

Better at New York? ^{of Walter}
higher up Sept 26th 1880

Prof. Thos. A. Edison
Dear Sir

In the interference with Chum-
mock we had rather an amusing
incident on Monday; He had reproduced
your exhibits from the drawings - the
stiff wooden spring and weights - the helical
spring and button on the diaphragm, and
the lever spring like your patent 203,014.
The testimony was introduced for the purpose
of showing that winter had nothing to do
with the working of your telephone,
but upon cross examination the wit-
ness stated that ~~your~~ these duplicates of
your instruments worked very well; that
the articulation was clear but not

very loud, thus confirming your
own testimony, damaging Blake's
claim, and also cutting their own
heads off because their own witnesses
swear that Chinook's articulation
was bad, sometimes you could hear
words, that the speaking could
be recognized but not the words.

The Patent Office has made
another decision against you on the
first interference, basing the action on
your own evidence that you were trying
to show that your invention was like
Hughes; this is the most flimsy and
unreliable decision that the Board has
recently made. It ought to be
reversed —

Yours truly
Lemuel M. Perrell



P.O. Box, 4689.

New York, September 30th 1880

J. A. Edison Esq

Dear sir

My agents in Paris inform me that they have taken the preliminary steps towards working your first Austrian Patent for Electric Lights, I refer to the Patent granted June 30. 1879.

What has been done saves the patent from forfeiture, and the expense incurred is about \$25.

Does this meet with your approval and do you wish any further steps taken, if necessary to keep this patent alive?

Yours truly
Lemuel W. Serrell
For Mr. Smith

T A E
I wrote Serrell
promptly to appeal
from the decision in
letter of 10th Sept
letter book 1



New York, Octo 1st 1880

Spred did you write
J. M. W. Serrell to appeal
Dear Sir

In the interference with Short, the
Examiners in Chief think that you would not
have sought a patent if Short had not
spurred you up, and that what you made was
to demonstrate your idea that Hughes had not
made any invention, and that you did not
proceed for the purpose of making any useful
improvement in Telephones: In this they are
of course overlooking the only question as to who
actually made the device in controversy the first.

Please telegraph me tomorrow whether or
not you would like to have the case appealed to
the Commissioner in person: Mr Prescott says
I had better do whatever you wish: That it
makes no difference to the Company, that Short's
telephone is good for nothing, and the only

object in appealing the case is to do
all they can to sustain your claims. —

Yours truly
Lemuel W. Perrell

NY 101, 80
L. W. Perrell
Oct 22



P.O. Box 4689.

New York Oct. 5 1880

Prof Hws. A. Edison
Dear Sir

The specification of English
N^o. 14 & Continental N^o. 9 has not
been received at my office as far as
I can find; This fact is strength-
-ed by Maj Wilbers letter of Sep.
14 which when sending Provisional
says "the full text will be sent tomorrow"
hence the endorsement, "Lut Serrell
Sep 10" must be incorrect.

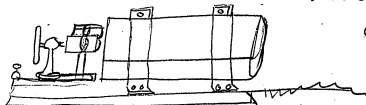
Send the paper to me, I will have
it copied and returned;

Yours truly
Lemuel W. Serrell

P 23-39

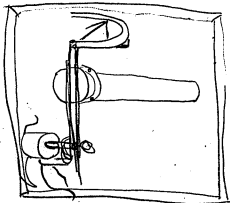


Edison Exhibit A
Long Tel Int Oct 9, 80



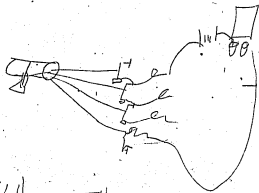
Long Tel Int
Oct 9, 80

Edison Exhibit A.1
Long ^{13 brass} tube with 2 magnets admetaba

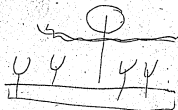
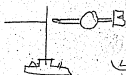


Long general Tel Int
Oct 9, 1880

Exhibit B



2 Keren Jan 276



Office for Patents.

140 NASSAU STREET,

Morse Building,

New York, Oct 11th 1880.

Dear Sir:

It affords me pleasure to inform
you that on Oct 9, 1880,
your application for Patent on

Acoustic Telegraphs (Case 125)
was duly allowed.

The Patent will be engrossed
for issue on receipt of TWENTY DOLLARS,
the balance of fee payable thereon, if
received within six months.

Yours truly,

LEWEL W. SERRELL.

To Mr. A. Edison Esq.

Cable

Oct 12th 1880

Edison

Menlo Park

Wilbur's milling papers
received in what countries
am I to patent

Gouraud

14 Paris

9³⁰ pm.

Oct 12 80

Goureaud London

France Belgium New
Zealand Norway and
England

9 M Bank



P.O. Box, 4689.

New York, Oct. 14th 1880.

Thos. A. Edison Esq.

Dear Sir:

I find that we will be obliged to postpone finishing your evidence on the Telephone Interference 45,67 B³ which we proposed doing on Saturday next, until such time as can be arranged suitable to all parties.

Yours truly,
Samuel W. Serrell
Per: McKim

W. H. Mowbray,
President

E. T. Gilman,
Electrician and Manager.

Gilliland Electric Manufacturing Co.
TELEPHONIC APPARATUS AND SUPPLIES.

Indianapolis, Ind.,

Nov 19 1888

In reply to yours of the 14th

Edwin E. Mowbray
Nov 19 1888

Dear Sir

Thank you

I am to you have now within my hands
but was communicated to have a patented
patent granted to me for a double or
inverted double magnetic bell which was
operated by a large electro-magnetic
& magnetic circuit in the same this
apparatus came to your friends to
Nicholson apparatus on the turf with
his flip flop mouse alphabet system

I had always supposed he got his
idea from this as when he first came
to my office shop to get apparatus made
he was making the F. F. system with 2
wires - However he claims not and

W. H. Mowbray,
President

E. T. Gilman,
Electrician and Manager.

Gilliland Electric Manufacturing Co.
TELEPHONIC APPARATUS AND SUPPLIES.

Indianapolis, Ind.,

1888

In reply to yours of the

I am rather sure of today is regard to this
invention - I am going East in a few
days and if you desire it I can give
you considerable information concerning it
and what he is trying to do

At once have the information sent
you about the kind of this work

Yours truly
E. T. Gilman

Amos Oct 21-1888

E. P. G. Williams
Austin, Texas

Come and see it



P.O. Box, 4629.

New York Oct. 21st 1880.

Thos. A. Edison Esq.

Dear Sir:

In the matter of the
interference between your case No. 159
and Mr. Volkers', on Telephones, I have
been notified that the question of priority
has been decided in your favor.

Yours truly
Lemuel W. Serrell
Friedman



P.O. Box, 4689.

New York, Oct. 21st 1882.

Thos. A. Edison Esq.

Dear Sir:

I send enclosed
a copy of a letter received
from Messrs. Grawert & Jensen
in reference to your application
for Patent in Sweden, for
Magneto-dynamo Mech. Motor.

Please let me know your
views on this matter, and whether
you wish the application
proceeded with, by return
mail.

Yours truly
L. M. Serrell
Trickney

(Oct. 25 '80)

do not test but ask if
any doubts about getting it
for long term

"Referring to your favors of 15th & 16th ult. and
"with reference to the application for patent
"in Sweden for Mr. Edison's invention
"Dynamo or Magneto Electric Machines
"and electric motors our correspondent
"at Stockholm informs us that it is im-
"possible to be absolutely sure to obtain
"the grant for 14 years, but the pro-
"bability is that that term would be
"granted."

"Under these circumstances we
"suppose we had better proceed but
"please give us definite instructions."



P.O. Box, 4689.

New York, Oct 22^d 1880.

Thos. A. Edison Esq.
Dear Sir

Please
look over the enclosed bill
and if correct please certify and
return to me as soon as possible
and so oblige,

Yours truly
F. M. W. Serrell
F. M. W. Serrell

N.Y. Oct 22nd 90
L.W. Sewell

Bills returned
Oct 25, 1890

Account of

James M. Sewell

3

James M. Sewell
has deposited with me
a copy of his book on the
subject of the history of the
city of New York.

It is a very interesting
and valuable work
and I have the honor
to acknowledge its
receipt.

THE WESTERN UNION TELEGRAPH COMPANY.

The Company TRANSMITS AND DELIVERS messages only on condition, limiting its liability, which is hereby assumed by the sender or its authorized agent, and the sender is held liable for any loss or damage to the sending station for compensation, and the Company will not be held liable for errors or delays in transmission or delivery of messages.

This message is an UNREPEATED MESSAGE and is delivered by request of the sender, under the conditions herein above.

A. H. BREWER, Sec'y.

NORVIN OLSEN, President.

Dated Washington D.C. 23 188 0

Received at _____

To Edison N.Y.

READ THE NOTICE AT THE TOP.

Lyons is absent on business
 Edison sick here he expects
 to be at meals all next
 week

Hall Clerk

17 Dec ¹⁹/₈ 1 pm

$$\begin{array}{r}
 12 \\
 40 \\
 \hline
 480 \\
 2000 \\
 \hline
 96000
 \end{array}$$

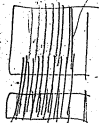
\$2:00 am

100 ft

1 1/4 Power Floor

8 in 1/2 Mile

12 ft Long Project





P.O. Box, 4689.

New York, Oct. 25th, 1882.

Thos. A. Edison Esq.

Dear Sir:

It has been arranged for completing the examination in the Telephone Int. & S. C. & B. at Menlo Park, on Thursday of this week.

If there is anything in the way of going on that day please let me know immediately.

Yours truly
Lemuel W. Serrell
Per Quincy.

G. 2.

PENNSYLVANIA RAILROAD CO.'S TELEGRAPH.

Received, _____ Office, 1 Operator, 1 C'k. - M. 188
From New York & C. For Edison

Went Park and
am at fifth avenue will
be here tomorrow taking
testimony in Bush interference

13 L.H.

Wilbur

L.H.
n

157. am

T. A. EDISON,

Menlo Park, N. J., *Nov 3* 1880.

Dear Grace
W. A. *Nov 3*
NY

Just arrived. will
investigate Edison's
proposition. and see
you this week
37 Welles

Sent



P.O. Box, 4629.

New York, Nov 5 1888

Thos A Edison Esq

My Dear Sir

Please bear in mind the appointment for Monday next on the Telephone cases A. to N. and No 1. This takes in the whole history of the development of the telephone on your part. —

Please look the matter over sufficiently to be generally posted. I will come over early so as to go over matters with you before the examination; I will try and reach N. Y. by 8 o'clock.

Please bear in mind the request that you make notes

of such things as you
think important to patent
which you have not applied
for as yet —

If you have not returned the
power atty for Germany sent
to you by Mr McRae
please do so tomorrow —

Yours truly
Lemuel W. Snell

W. H. Mowbray,
President

E. T. GILLILAND,
Electrician and Manager.

Gilliland Electric Manufacturing Co.
TELEPHONIC APPARATUS AND SUPPLIES.

Indianapolis, Ind., *Nov 9* 1880

In reply to yours of the _____

T A Edison Esq
Menlo Park N J

My dear Edison

I was
called home on important business. Cutting
my time short, I could not stop at Menlo
Park as I promised. I am going East again
in about ten days. I will then talk
the matter ~~to you and see if you find~~ *to you and see if you find*
I can use the *Archibald* ~~matter~~

Yours Very Truly
E T Gilliland



P.O. Box, 4489.

New York, Nov 15 1889.

Mr. A. Edison Esq

My Dear Sir

In regard to copies of caveat
I find that our office copies of
Nos 76 & 76st were furnished to one
of your young men that called for
them Oct 8. Copy of 76st has been
returned to me but not 76. Please let
me have it. Copy of No 90 was sent to
you for Mr. Johnson: Copies of Nos ^{1, 2, 3, 4, 5, 6, 7} 55, 57 and
60. will be ready in a few days: Nos
92 & 93⁹⁴ have not any drawings: With this in-
formation please look over the copies you
have and let me know if anything
will be missing.

I cannot find the original of

the sketch with the central
scratched figure. I have looked
carefully over all my papers
in the case. Please bear this
in mind: I know you have
the original impression of the
drawing, as I have never had that.

Please send up the evidence
taken up to Saturday night, so
that it may be printed. Also
the exhibit drawings; keep a list
of them and let me have duplicate
list.

Have you any good draughtsman
that can make drawings of the
model exhibits? —

The charges of Mr. Buffin as notary
and cost of drawings &c should be charged
to me and bill sent. —

Written record of evidence just
received.

Yours Truly
Samuel W. Ferrell

#65 Broad st N.Y

Nov 15th 1880

Prof

J. A. Edison

Menlo Park N.J.

Dear Sir

Enclosure

Enim Copy specification of
device for measuring electrici-
ty and would like your
report on same & if you
consider it practical what-
er you want base it -

Yours very truly

B. F. Card

I haven't tested it but if you will
put a price on it if price is not
too exorbitant I will make one
and see if it will record accurately

write Nov 18th 80
H

New York Mar 18, 1880
Mr A. Edison Esq
Dear Sir

In the Nicholson
interference or Quadruplex
it will probably be Saturday
or Monday before the testi-
mony will be taken, as
Nicholson is going to take
the evidence of Pape in
N. Y. first.

I want also to get the
evidence of the use of the
existing supplemented contact
levers in the interference of
Edison Pape & Nicholson so
as to make out just of this
branch of the testimony -

Yours truly
Lemuel W. Ferrell



P.O. Box 4689.

New York, Nov 19 1880.

Mr. A. Edison Esq

Dear Sir

Please ascertain when and
where your first carbon tel-
-ephones were put publicly
into use, and if the instru-
-ments can be had it will
be important to get them
and furnish the evidence of
their use at our next meeting
(to take evidence) -

Yours truly

Lemuel W. Serrell

but when I could
get them but can
from witnesses to
from the place, but
on the case



P.O. Box 4689.

New York Nov. 20th 1880.

Prof. T. A. Edison
Dear Sir:

Please send me all the exhibits introduced in the telephone interference A. G. N. (both instruments and sketches) so that drawings and photographs of the same can be made as soon as possible.

Yours truly
Samuel W. Serrell
& Pinckney

John R. Porter.
Governor & Lawyer.
Geo. Wales Stone.
Chief Justice State.
Geo. S. Hamilton.
Wm. L. Porter.

P. O. Box 1830.

Porter, Lowrey, Loren & Stone.
Attorneys & Counsellors at Law.
No. 3 Broad St. New York.

Mr. L. J. 1830

And Mr. Edwin Lowrey has sent me for a day
or two of Perth Co. N.Y. He supposes he got
even yet, but that he should be able to come & trade
to day. But he thinks it important to come away
Friday & need go home for two or three days
more. He hopes he may see you by Friday.

He wishes me to say to you that he sees
no truth in the prevailing maxim and belief
that by the time that crowd gets a system to
use then enough is, if they hear me that you
will be two or three years ahead of them.

Well, I have come humbly to resign
my Friday. I am to call on you with
you tomorrow about the contract.

In my own heart, I believe
not within. I success is the lot of
you & me.

Yours very truly J. M.

Memo Book Nov 23

Received from E. M. Serrill
the following Patents today
Wm. C. Serrill

N. ~~Patent~~ 231704 for Elec. Chem. Re. Tel.
Lanada No. 11554 for Elec. Mach.
Dance 136399 for measuring Elec.
New & Male

" " E. Hunt

Patent 2802 " "
" 2841 Waco Electricity
" 2842 E. Hunt

Amuland my 280 West Elec.
Elec. Hunt

New Orleans 4417 " "

du 452 " "

Indian 415 " "

" 415 Mac Elec.
" 469 E. Hunt

Portugal 621 E. Hunt

Norway Sep 24. 50 " "

Sweden July 25. 50 " "

" 29 80 West Elec.

MC

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

The Company TRANSMITS and RECEIVES messages only on conditions, limiting its liability, which have been assumed by the sender of the following message.

It is not to be construed as a contract, and the Company will not be bound to accept a message back to the sending station for compensation.

The message is an UNREPEATED MESSAGE and is delivered by request of the sender, under the conditions stated above.

A. B. BENTLEY, Secy.

NOVIN GREEN, President.

Dated New York Nov. 26th 1880

Received at MENLO PARK N.J.

To Chas. A. Edison

READ THE NOTICE AT THE TOP.

Your evidence
Nichols & Pope wanted
tomorrow. Please telegraph
name of witness right
away.

L. W. Sewell

Capital Dec 1 - 1944

Albert B Chandler

A & P Telegraph office

Telegraph

NY

Some

~~I desire your~~ ^{your}

testimony in Quadriplex

Case wanted from you

Can Mr Senell see

you Thursday afternoon

if so where and when

answer

A Edison =

5th Ave Hotel New York
Same message to UN Painter also
As Brown Will Tel NY.

³
Law Dept W. U. Edg. Co
NY 27

Dec 22-80
4 Pm.

Thos A Edison

Am I authorized in
furnishing copy of application
121 to W. U. Co.

L. A. Terrell
'Buckingham'

1124

Yes

Washington D.C. Dec. 5th 1870

My Dear Sir.

I got my testimony in the grand case put in yesterday, ^{and} fixed the date at which I saw it work in 1873, with Eckert ^{and} the party in the first week in October, I saw Mr. Brown of the Western Union, Mr. A. B. Chandler of the Atlantic & Pacific, ^{and} Gen. Eckert of American Union, and arranged to have them all follow ^{and} sustain my testimony, Reiff however says that neither himself, or General Eckert should be put on the stand at this time; that my testimony, supported by Brown ^{and} Chandler, who transmitted messages over the wire at the same time in the same direction is all that is now needed, that General Eckert ^{and} Mr. Clinch of the Canadian lines, who were also

along, should be held in reserve. Clinch's testimony however can only be obtained by sending a commission to St Johns N. D.

After my testimony had been taken, Counsel for Richardson gave notice that he would ask the Commissioner to strike it all out on the ground that it conflicted with your testimony, that you had only claimed to have worked it in December 1873, while I swore positively that I had seen it worked by you & Bratchell a month or six weeks before I took Eckert Clinch & Company out to see it. This would make its first exhibition in August 1873, or four months before your testimony dated it, I am sure that I am right and you are wrong, because I had talked so much about it and

the document with Eckert & others that I cannot be mistaken. I wish you could send to Mr. Serrall for my testimony, and once and read it - ^{can} see if you are not in error in locating its first working in December 1873.

At the ^{court} ~~Amalgamated~~ before Judge Hoagland you testified that you had exhibited it to General Eckert & myself, this is the only occasion in which we ever saw it together. Mr. Clinch arrived in New York on September 30th 1873, was only there a few days, during which time he visited Newark with us. Mr. Serrall was very much pleased with the testimony ^{and} with the interviews that we had with Eckert Chandler & Brown, all of whom will stand up square.

My cross examination developed the line of defence with which they expect to break down this testimony, which is that none of the witnesses named by me or myself are able to identify, or describe in detail the instruments, that we owned, worked, and that in this there is a fatal defect. I do not agree with him. I think that you will be able to identify the instruments worked at that time. I told him in my testimony that you, in my presence in ^{August 1873} ~~July~~ sent two messages in the same direction, at the same time, over the same wire, that you repeated it in the presence of the four experts of the Western Union Office the first week in October 1873. that you never claimed.

Between the two occasions to have found more than one way of doing it, or to have made any change of any importance in it, which if you had done, you or Butchelor certainly would have mentioned it to me.

Mr Serrell says that neither Mr. Johnson nor Mr Butchelor are able to identify the instruments used in 1873, or to recollect any thing about it - until 1874.

I think that if Mr Butchelor can be got to recollect the visit of his party to Newark, and his own working with you on it, he certainly will be able to identify the instruments then in use which is very important.

I spent the most of my time the last three days on this, and think that

everything that I can do has been done. I will however go back at any time that I am needed.

Please call on Serrell for copies of my testimony at once and after you have read it, let me know before the case is closed if you want anything additional from me.

It will be a great pity to let this Cincinnati fraud rob you of the credit you deserve in this case, which they fully expect to do.

Yours Truly,

W. H. Bainter



P.O. Box, 4689.

New York, Dec 10 1880

Prof. Wm. A. Edison
Dear Sir

In the Pope, Nicholson & Edison case we have agreed a reference back to the examiner, to receive new claims and re-declare interference. Please send to me the drawing made by the woman in Pope's office, and the other memos. bearing on the matter so as to know how to pin up claims to living in early devices —

Yours truly
Samuel W. Serrell

I got Fair Ecker to sell
 Clinch as my wife
 fall of 78 he was in
 & he was in the
 the business of
 being all over the
 the little off
 spin money
 not until the
 effect on the
 automatic
 when he was
 before 78 - about 1000
 first class
 double amount

THE AMERICAN UNION

TELEGRAPH COMPANY is not to be liable for damages arising from any failure to transmit or deliver, or from any error in the transmission or delivery of, an unregistered telegram, beyond the amount received for sending the same. But to guard against errors, the company will accept, with any telegram, for an extra payment of one-half the regular rate, and in that case it is not to be liable for damages, beyond fifty times the amount received for sending and republishing the telegram.



THE AMERICAN UNION

TELEGRAPH COMPANY is not to be liable in any case for damages, unless the same be claimed, in writing, within sixty days after the receipt of the telegram for transmission. And this company is not to be liable for the act or omission of any other company, but it will endeavor to forward this telegram over the lines of any other telegraph company, necessary to reaching its destination, but only as the agent of the sender and without liability therefor.

LESSEE OF THE DOMINION TELEGRAPH CO. OF CANADA, AND CONNECTING WITH THE FRENCH ATLANTIC CABLE.

Write No. <i>1000</i>	Time <i>7</i>	Rate <i>OK</i>
Delivery No.	Re'd by <i>7</i>	Time

This Telegram has been received at *HOUSE CORRIDOR, U. S. CAPITOL.*

Dated *New York 7* 1898 upon the above conditions.

To *W. H. Painter*

Following from A. Y. Clinch
 at John " In 78 I was in
 New York from the first to
 the seventh of October and
 on the 10th and 11th of the
 same month
 Thos J Ecker

Genl Eckert then asked him
which trip he went on to
Newark to see you & the new
Super &c - & he insured

**THE AMERICAN UNION
TELEGRAPH COMPANY** is not to be liable
for damages arising from any failure to
transmit or deliver, or from any error in the
transmission or delivery of, an unregistered
telegram, beyond the amount received for
sending the same. But in regard to errors
of omission, the company will repeat each such
telegram, for an extra payment of one-half
the regular rate, and in that case it is not
to be liable for damages, beyond fifty times
the amount received for sending and re-
peating the telegram.



**THE AMERICAN UNION
TELEGRAPH COMPANY** is not to be
liable in any case for damages, unless the
same be claimed, in writing, within sixty
days after the receipt of the telegram for
transmission. And this company is not
to be liable for the act or omission of
any other company, but it will endeavor
to forward this telegram over the lines of
any other telegraphic company, necessary
to reaching its destination, but only as
the agent of the sender and without
liability therefor.

LESSEE OF THE DOMINION TELEGRAPH CO. OF CANADA, AND CONNECTING WITH THE FRENCH ATLANTIC CABLE.

Wire No. <u>6</u>	Sent by <u>C</u>	Check <u>ST</u>
Delivery No.	Rec'd by <u>7</u>	Time <u>8</u>

This Telegram has been received at

Dated New York 8 188
W. H. Painter upon the above conditions.

Reply from Clinch says it
was between the first & seventh
Thos. J. Eckert

This gives the date of your
Ed'n of in Dec 1872 &
Oct 1873. How does this
fit your memory?

W. H. Painter

Wash DC Dec 10th 1888
W.H. Painter
after 14
see letter book



50000
10000
25000
36000
15000
11000
147000

P.O. Box 4689.

New York, December 11, 1880

J. A. Edison Esq
Dear sir

There are annuities due
early next month on your Telephone Patents
in Italy, Belgium and Austria, and on the
Phonograph in the latter country. -
Please let me know by return mail what
is to be done, and oblige

Yours truly
Samuel W. Serrell
per C. H. Smith

Samuel W. Serrell
Royalties on

Telephone payable
at Edison Tel Co of Europe
Limited. R. L. Cuttings off
ny = Charge Phono to me



P.O. Box, 4689.

New York, Dec. 13, 1880

Mrs A Edison Esq
Dear Sir

Please sign and
swear to enclosed additional
preliminary statement in
the Nicholson case and
send it in to me tomorrow
so that I can get it by
5 o'clock at latest as I
have to use it in Patent
Office on Wednesday. I also
send the affidavit of Edison
about funding caveat \$45, this is
warranted at the same time

Yours truly
Samuel W. Serrell

T. A. EDISON,

Menlo Park, N. J., Dec 18 1880.

For Service 140 Nassau St
New York City
Robt Spence
Franklin Avenue Brooklyn ED
or Polytechnic Institute

J. A. Edison

W. 26-12-15-80

My dear E.

I have yours of 12-14-
There are some things I may have been
little error in, but in that Chick was
sure & that the party consisted of those
I named I am sure of. I recollect
very distinctly about Chick trying to get a
piece on some machines you were getting
up to send Morse with a key board & a
cylinder, a machine nearly perfected & he
worked it then but I have never seen
it since - I also remember clearly that
Brown & Chandler worked it at one end
of the table while Eckert - Chick & myself
stood on the other - You showed us the
Roman auto & the Morse finger board mach

2

up stairs while Batch was fixing
the embryos and up downstairs -
How can I be in error when all the
others recollect the same thing, & does
Reiff who was there also - I may have
not known before, I know I did when
Chick came with Chandler & Brown -

I did not read your testimony or that
of Batch - I thought I had better not till
I had completed my testimony for fear
they might ask me if I had - When I got
through Sewell told me what you had
both testified to but did not show me your
testimony - I want to see the whole testimony
when it is printed - Will render without
any assistance I can, but he knows the
upper row pretty well - The Pat. Office will be

3

in new hands by the time this
case is ready for action - you know
we get a new head to all the Dept's
on ^{the} March 4th - I suppose or least
2 or 3 months will be taken up by the
Lawyer -

Yours &c
Wm. H. Linn



P.O. Box, 4689.

New York, December 15, 1880.

Thos A. Edison Esq
Dear sir

I have just received word from one of my correspondents that by a ~~number~~ Royal Decree of May. 14, 1880, it will be necessary to return all Spanish Patents to the Department in order that certain formalities may be complied with, if patentees wish the Patents to cover Cuba and other ultra-marine provinces.

Please send me your Spanish Patents of February 1. 1879 - Electric Lights.

Octo. 4 " "

March 12 " "

Feb. 20 1880, "

} These patents
were taken into
L W Searle Rec
27th 1880 by J. S. S.

and I will see that the necessary formalities are complied with -

Yours truly
Lemuel W. Searle
Per A. Smith

New York, Dec 15 1880

Edison Telephone Co of Europe

SPECIFICATIONS,
MECHANICAL DRAWINGS,
CAVEATS,
REQUIREMENTS,
DESIGNS, 368
TRADE MARKS,
RE-ISSUES,
REJECTED APPLICATIONS,
REGISTRATION OF LABELS,
INTERFERENCES, &c.

ACCURATELY
PREPARED

AND

PROMPTLY
ATTENDED TO.

To **LEWIS W. SERRELL,**

Solicitor of American & Foreign Patents,

MORSE BUILDING,

No. 140 NASSAU STREET.

To 4th Anniversary Edison Telephone No 45994

" 14th " of Jan. 11. 1878. Belgium 19

" 1st " " to 9791. Jan 19/78 Italy 20

" 1st " " Jan 1. 1878 Austria 25

" Telegram

550
76950

Correct
T. Serrell

Recd
Dec 18/80

1150
81

Please send check to office
J. Serrell



P.O. Box, 4689.

L. W. Serrell
New York, December 17th 1880

Thos A. Edison Esq

Dear sir

I enclose herewith
a power of Attorney drawn pursuant to
the instructions of Mr. Johnson.
I have not prepared the other two papers
as I concluded it would be best to let
you first see the one sent herewith - and
I did reach the office this morning in
time to prepare and send them by the
noon mail as promised - I return the papers
left by Mr. J.

Yours truly
Lemuel W. Serrell
for A. Smith



P.O. Box, 4080.

New York, Dec. 18th 1881.

Thos. A. Edison Esq
Dear Sir:

70 Dec 1881
B. W. C.

On your examination of the
Nicholson interference you produced a
small memorandum book as showing the
sketches referred to in your preliminary state-
ment, four of which were introduced in evi-
dence & marked exhibit 1869 sketches.

In describing these you say that "N-1" consisted of a
neutral relay and a polarized relay, both includ-
ed in the same circuit. The neutral relay
served to open and close a local circuit and give
rotation to a type wheel. The polarized relay
served to open and close a local circuit and give
motion to a magnet to effect the printing
of a letter; a rise & fall of tension caused the
neutral relay to move its armature back
and forward opening and closing a local circuit

at each reciprocation when the polarity of the current was in one direction, but when the polarity of the current was reversed, the tongue of the polarized relay closed a local circuit, and at the same time prevented the neutral relay from closing or opening the circuit operated by it by reason of opening the said circuit upon the polarized relay. This is one of the forms of connection which I have already testified to as having been made in Boston. The diagram shown on the opposite side of the leaf is nearly identical, except in the method of making the local connections.


The exhibit which I now mark No 2 was also made in 1869, a polarized relay and a neutral relay being included in the same circuit, one by a rise and fall of tension. Both instruments were provided with local circuits containing a battery and electro magnet.

The book given me by Mr. Griffin, is not the book referred to, it contains only sketches of 1870.

Will you please send me the correct book as soon as possible, so as not to delay the printing of the record.

The "Telegrapher" of Sat. Apr. 11, 1868, was also put in evidence, can you furnish one with a copy of the same, or let me know where it may be obtained.

Yours truly
Samuel W. Serrell
Winchester





P.O. Box, 4689.

New York, December 18, 1880

Thos^d A. Edison Esq

Dear sir

I have to advise you that
your Spanish Patent of Nov. 21, 1878, Cont. No. 1.
method of & means for developing Elec. Currents,
must be worked before Feb. 1. next.

My agent can probably attend to this
matter from his having worked this invention
in France.

In regard to your Austrian Patent of
Jan. 22, 80. Cont. No. 2. Magneto-Elec. Mach -
the working must be commenced before
Jan. 22. next. if you wish to keep the Patent
alive.

Please let me have your instructions
without delay on these matters

Can you have them worked
by such an Patent as to Samuel W. Ferrell
comply with the law above

Yours truly

Samuel W. Ferrell

GEORGE B. SCOTT,
Superintendent.

RALPH W. POPE,
Deputy Sup't.

THE GOLD AND STOCK TELEGRAPH COMPANY,

P. O. Box 4195.

SUPERINTENDENT'S OFFICE,

Western Union Building, No. 197 Broadway.

New York, Dec. 20th 1880.
Thos. A. Edison Esq. -
My dear Sir -

Mr. Post Lincott desires me
ask if you can give us any information
on the following points, to be used in the
Telephone Patent Case now proceeding -

- 1 - At what dates were the first 2 trials of your
Carbon Telephone Made at Post Office House
in Livingston - ? Orlans House trial about 3 1/2
months before Bantleys
- 2 Do you know where the identical transmitters
now are, that were used in either or both
of said trials - ? Think Bentley has them
- 3 Can you produce them ? You can probably
get them of Bentley
- 4 Do you know when the first Carbon Tel Set Complete
with Call Sounder, Receivers, they re was set up
in the Electrician (W. H.) Morris down town -
It was about 2 weeks before you came -
as set up by Keller in the office in
that house and called a Bell
- 5 Where is that Tel Set now?

Any of the above questions that you can answer will keep us - please
reply early 20th

Yours truly

Geo. B. Scott

New York Dec 28-1880

#81. #

Received from Mess R. L. Cutting & Co
Eighty one Dollars in full of bills
rendered Oct 1st 1880 \$11.50 & Dec 15th 1880 \$69.50
to Edison Telephone Co. R. L. Cutting & Co. Limited

Lemuel W. Service
L. W. Service

T. A. EDISON,

Menlo Park, N. J., _____ 1880.

L. W. Service

140 Nassau St

NY

2100 60th St

give cake testimony on
Monday

T. A. Edison

Geo B Prescott Esq
W. U. Tel Co
Syracuse N.Y.

Prescott testimony from
Norman C Miller in
Dundruff, Please get
~~and word to him and arrange~~
for him to see ~~himself~~ ~~his~~
office Thursday 2 PM.

~~L. W. Donnell~~
J. A. Edin

Copied

Telegram

E. J. Greiman

Greiman Electric Mfg. Co

Indianapolis - Indiana

Please hurry up answers
to questions and crop questions in
Nicholson - answer from

J. A. Edin

T. A. EDISON,

Menlo Park, N. J.,

1880.

Copy

L Mr Lovell

140 Nassau St

Banker

Cables from Paris. that
Patents telephons, Austria
Belgium. Italy doubtful
from neglect in compliance
with laws. without legal
authorization he cannot
act: Can you draw
up paper for me to send
or what instructions are
necessary

T A Edison

Sent

(1880)

Wm

W. Arman

Tell Wm to hurry these
drawings will be down
tomorrow

L. F. Wilber

Paid

T. A. EDISON.

Menlo Park, N. J., August 10, 1880.

The object of the invention is to construct a cheap and economical Electric Railway or tramway suitable for countries where Rail or tramways as now constructed and operated will not pay, especially in mountainous regions, where the main body bulk of the traffic is only offered to the carriers on certain seasons.

The numerous Constructions in means and methods devices and apparatuses for carrying out and operating Railways by means of Electricity First ~~the~~ an electro motor which shall be set in motion by Electricity taken from the rails such rails being supplied constantly in Electrical

Connects a station at which
place is a steam engine,
and ~~the~~ ^{the} ~~quadrant~~ ^{quadrant} electric machine
properly connected therewith
which serve to convert the
power of the steam engine
into electricity.
The Mable Motor, deriving its
power from the electric ~~energy~~
Energy derived from the
rails is provided with levers
for closing the circuit through
the rotating ~~bar~~ ^{bar} & field
magnet of the machine
so as to start and stop
the engine. Another lever
is used for reversing the
direction of the electric current
through the ~~rotating~~ ^{rotating} bar
so that the ~~current~~ ^{current} of the

o

T. A. EDISON,

3

Menlo Park, N. J., 1880.

power derived from the track
is used to produce a contrary
rotation in the cylinder to
thus produce a powerful
brake to aid in suddenly
stopping the train. The motor
is also provided with a
governor consisting of an
ordinary ~~steam~~ centrifugal
ball governor. A lever is
connected to the governor
in such a manner that
when the velocity reaches
a certain point the centrifugal
action of the governor balls
serve to bring a collar in
contact with the lever and
thus cause it to rise, opening
the electric circuit. This
governor is shown in my
application no. —

Menlo Park, N. J., 1880.

This governor serves to produce a regularity in the speed of the motor and thus enables several trains with different burdens to ~~be~~ as regulated that the speed of all will ^{be the same} allowing ^{a number of} trains to be run at short distances from each other in the same direction without fear of collision and it also means that trains will be run on time. Another addition to the motor is the use of swinging extensions connected to the field magnets, which extensions may be thrown downward so as to nearly touch the track and thus produce a powerful traction.

Menlo Park, N. J., 1880.

between the motor & the track
for ascending ~~material~~ grades.
Another part of the motor
consists in ~~the~~ winding the
field magnet with a great
length of fine wire so as to
make a high resistance, and
placing both the field
magnet and the ~~rotating~~ in
separate derivations or
multiple arc circuits across
the track, the high resistance
given the field magnet is to
consume only the use of sufficient
energy to bring it to its
point of preferable magnetic
saturation. The field magnet
being separate from the
rotating ~~part~~, the latter
or the former may be reversed
in relation to the other.

T. A. EDISON, 6

Menlo Park, N. J., 1880.

and the lamp of either
will cause the motor to go
~~in the~~ ~~the opposite~~
~~direction~~ in one direction
or the other according to
the reversal of the bobbin
~~as~~ As before mentioned a
lever was provided whereby
the ~~bobbin~~ direction of the
current through the bobbin
could be changed, this
operation may of course be
made by hand but it also
may be done by the person
at the station, to attain this
better operation I connected
to the lever an Electro
magnet placed in the same
circuit with the field or
bobbin & the magnet is

Blake got back to July 1878 two spp. pressing
from Churchill Dec 1878 -

III

get my Caverton
elliptical No 76
+ lbs 86 + 87.

Interference No 6. Wilson.

Band rubber around edges diaphragm

also to small
that we could
get them to
some other
spring with
a plate from
the spec coll for

Blake

Interference 5 - Diaphragm held by
outer electrostatic cap for
spring pressure and adjusting lever
for regulating tension of spring.

Interference 4 Combination with
diaphragm of band yielding material
and dampener,

Interference B³ Spring carrying
electrode & covered with rubber

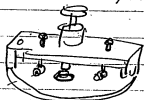
Dolbear ^{Am} Anders.

In combination with
diaphragm a device connected therewith &
causing vibrations of same to be given by
magnetic friction

Dolbear also. In combination with a
diaphragm of a rotating magnetized
bar arm connected to diaphragm & sliding
on bar, and helix around bar & circuit to harmonizing

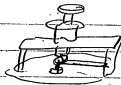
Vol 13 Oct 4 1877. TAE + CB

Sheet 9¹¹



Right side

Extra screws & rubber
to dampen drooping



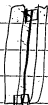
Extra Low-hammer

Same sheet

See 46¹¹ Vol 13 -

See 36 Vol 13

Vol - 12 p 37. July 20 1877.



put rubber or other soft
substance rings between
the diaphragm on the rings

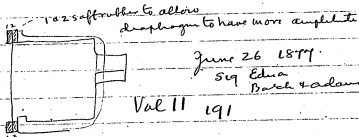
Vol 12 - 44 - see it same reading 5

Eng pat 2909-

has



fig 16. of which I got model



June 26 1877

Sig Edna
Burch & Adams

Vol 11 191

Vol 11. June 27 1877-

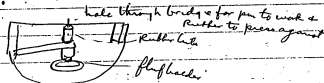


Vol 11 195

June 27-1877

X is piece rubber
which when it changes shape
makes contraction valve
stop hammer

Vol 13 No 1/16 signed by Jas. Adams TAE

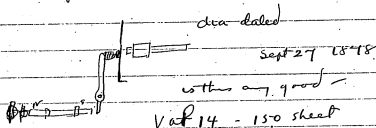


Vol 13- 2/11



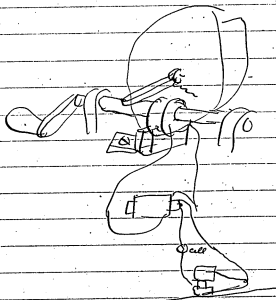
TAE-C.B Oct 3 1877

I have patent in file with this

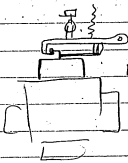


Marked (manuscript) signed Balch & Bugi July 15 1879

Dolbin



Vol 14.
Sheet 169

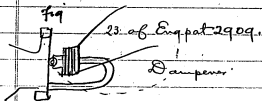


Mich 26 1877 Vol 11

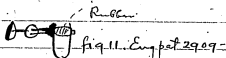
p 30

its in pat of -

ditto 31 -



Inclined $B^3 =$



Original drawing
Vol 11 - 184

Dampening Eng. Phone patent, fig 21. ^{no} 1644 -

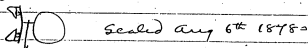
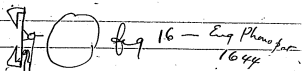


fig 16



Dampening Sealed Aug 6 1878

Vol 14 - page 36 -



Phonograph - 38 - Baltimore fig -

See Photo Val - 3rd Paragraph.

See Val 12 164 —

See Val 12 189.

• See 105 - Val 12 Soft-milk Co Lampen

See 136 Val 12 Gotta Gg'



Vol 7 - page 114 - magnet made
up from plastic vials by means of machine

Acoustic: Vol 7 - 134 PP -

Dalbea Anders' Magnetite
Emigraph - Second Book
in Vol. 8, last pages -
Aug. 9. 1896 = no date
on the drawings -

Books marked XXX.

p. 93 - field magnet with
adjustable resistance to it
a (Circuit) apparatus or Circuit
Thinks it correct 55 -
Circuit Cases how lost these

XX - has lost Telephone Log

T. A. EDISON
Menlo Park, N. J.

Chem records from Musical
Transmitt.

maths -
calls -

X 40. - what change
vs what is to it

X 43

Colunio de
ruta
Notes

T. A. EDISON,

Menlo Park, N. J., 1880.

We take testimony on Friday
on Interference No 3
1st Spring, graphite and diaphragm
2nd vibrating diaphragm, flexible
weighted circuit governor
Edison Jan 2 Jan 30 1880 Feb 13

Testimony Statement

Before May 31 1877
Made Oct 1877

Plake, July 1878 Mch 8
July 5 Nov 1878

Chinook Mch 23.
O. 1 to 10 Nov 77
in Dec 77
passed Apr 78.

T. A. EDISON,

Menlo Park, N. J., 1880.

- 1st Springs as cont. with a piece
of Graphite or similar material
between them and the diaph.
of the tel.
2. The Cont in the tel. of an
elect. circuit, a vibrating
diaph and a flexible weighted
circuit governor

T. A. EDISON;

Monlo Park, N. J.

1880.

Exhibit 1 diaphragm about
3 in in diameter
Iron dia & span

Iron diaphr about 5 in diameter

model for supporting water
36/3 (P.P.)

brass tube with
hole in the attachment



Carbon Rheostat
about 1 ft x 18 in on hand
Rubber-basin Brass thin of cases
on one side a great number
of glass tubes of Carbon on other

T. A. EDISON,

Menlo Park, N. J., 1880.

Regular Edison Telephone (Challenger)

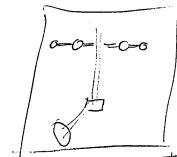
102-13

5. Edison on Drum

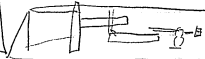
112
13

~~102~~

Carbon Telephone



Water Telephone

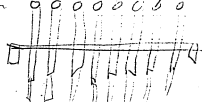


T. A. EDISON,

Menlo Park, N. J., 1880.

m. Bar Nov 11

Box about 6 x 8
with 8 openings across
the top 00000000



Journal rec June 1. 1877

Pressure Relay



Large E M G Tel
anyway marked Edison's
Tel about 2 x 2 1/2

T. A. EDISON,
Dr.

Monlo Park, N. J., Nov 89 (12) 1880.



Edison @ or 12 76

T. A. EDISON,

Griff Dec
Nov 10. 80

Monlo Park, N. J., _____ 1880.



T. A. EDISON,



Menlo Park, N. J., 1880.

$$\begin{array}{ccccccc} \frac{131}{12} & \frac{132}{12} & \frac{133}{12} & \frac{134}{12} & \frac{135}{12} & \frac{136}{12} & \frac{137}{12} \end{array}$$

$$\begin{array}{ccccccc} \frac{144}{12} & \frac{145}{12} & \frac{146}{12} & \frac{147}{12} & \frac{148}{12} & \frac{149}{12} & \frac{150}{12} \end{array}$$

$$\begin{array}{ccccccc} \frac{151}{12} & \frac{152}{12} & \frac{153}{12} & \frac{154}{12} & \frac{155}{12} & \frac{156}{12} & \frac{157}{12} \end{array}$$

$$\begin{array}{ccccccc} \frac{158}{12} & \frac{159}{12} & \frac{160}{12} & \frac{161}{12} & \frac{162}{12} & \frac{163}{12} & \frac{164}{12} \end{array}$$

$$\begin{array}{ccccccc} \frac{165}{12} & \frac{166}{12} & \frac{167}{12} & \frac{168}{12} & \frac{169}{12} & \frac{170}{12} & \frac{171}{12} \end{array}$$

$$\begin{array}{ccccccc} \frac{172}{12} & \frac{173}{12} & \frac{174}{12} & \frac{175}{12} & \frac{176}{12} & \frac{177}{12} & \frac{178}{12} \end{array}$$

$$\begin{array}{ccccccc} \frac{179}{12} & \frac{180}{12} & \frac{181}{12} & \frac{182}{12} & \frac{183}{12} & \frac{184}{12} & \frac{185}{12} \end{array}$$

Long Pat 2909

Chas. 189

T. A. EDISON,

Menlo Park, N. J., 1880.

$$\begin{array}{ccccccc} \frac{21}{13} & \frac{4}{13} & \frac{5}{13} & \frac{6}{13} & \frac{8}{13} & \frac{10}{13} & \frac{12}{13} \end{array}$$

$$\begin{array}{ccccccc} \frac{15}{13} & \frac{18}{13} & \frac{19}{13} & \frac{20}{13} & \frac{21}{13} & \frac{22}{13} & \frac{23}{13} \end{array}$$

$$\begin{array}{ccccccc} \frac{24}{13} & \frac{25}{13} & \frac{26}{13} & \frac{27}{13} & \frac{28}{13} & \frac{29}{13} & \frac{30}{13} \end{array}$$

$$\begin{array}{ccccccc} \frac{31}{13} & \frac{32}{13} & \frac{33}{13} & \frac{34}{13} & \frac{35}{13} & \frac{36}{13} & \frac{37}{13} \end{array}$$

$$\begin{array}{ccccccc} \frac{38}{13} & \frac{39}{13} & \frac{40}{13} & \frac{41}{13} & \frac{42}{13} & \frac{43}{13} & \frac{44}{13} \end{array}$$

$$\begin{array}{ccccccc} \frac{45}{13} & \frac{46}{13} & \frac{47}{13} & \frac{48}{13} & \frac{49}{13} & \frac{50}{13} & \frac{51}{13} \end{array}$$

$$\begin{array}{ccccccc} \frac{52}{13} & \frac{53}{13} & \frac{54}{13} & \frac{55}{13} & \frac{56}{13} & \frac{57}{13} & \frac{58}{13} \end{array}$$

$$\begin{array}{ccccccc} \frac{59}{13} & \frac{60}{13} & \frac{61}{13} & \frac{62}{13} & \frac{63}{13} & \frac{64}{13} & \frac{65}{13} \end{array}$$

$$\begin{array}{ccccccc} \frac{66}{13} & \frac{67}{13} & \frac{68}{13} & \frac{69}{13} & \frac{70}{13} & \frac{71}{13} & \frac{72}{13} \end{array}$$

$$\begin{array}{ccccccc} \frac{73}{13} & \frac{74}{13} & \frac{75}{13} & \frac{76}{13} & \frac{77}{13} & \frac{78}{13} & \frac{79}{13} \end{array}$$

$$\begin{array}{ccccccc} \frac{80}{13} & \frac{81}{13} & \frac{82}{13} & \frac{83}{13} & \frac{84}{13} & \frac{85}{13} & \frac{86}{13} \end{array}$$

$$\begin{array}{ccccccc} \frac{87}{13} & \frac{88}{13} & \frac{89}{13} & \frac{90}{13} & \frac{91}{13} & \frac{92}{13} & \frac{93}{13} \end{array}$$

1880

Handwritten multiplication problems on lined paper, arranged in a grid. Each problem shows a two-digit number multiplied by a one-digit number, with the result and a horizontal line above it. The problems are:

$\begin{array}{r} 117 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 119 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 120 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 121 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 124 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 125 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 126 \\ \times 3 \\ \hline \end{array}$
$\begin{array}{r} 127 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 128 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 130 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 131 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 132 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 133 \\ \times 3 \\ \hline \end{array}$	
$\begin{array}{r} 136 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 137 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 138 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 139 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 140 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 141 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 143 \\ \times 3 \\ \hline \end{array}$
$\begin{array}{r} 147 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 148 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 149 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 150 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 151 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 152 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 153 \\ \times 3 \\ \hline \end{array}$
$\begin{array}{r} 155 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 158 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 159 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 160 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 161 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 162 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 163 \\ \times 3 \\ \hline \end{array}$
$\begin{array}{r} 164 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 165 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 166 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 167 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 168 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 169 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 175 \\ \times 3 \\ \hline \end{array}$
$\begin{array}{r} 176 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 177 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 179 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 180 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 202 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 203 \\ \times 3 \\ \hline \end{array}$	

Chumuck Papers & Blake Papers
in drawer

Also, just in

Ex marked ~~multicopy~~ exhibited in Im
Batchman Book @ 1.579 - News Paper Box

T. A. EDISON

Menlo Park, N. J., _____ 1880

$\frac{9}{4}$ Ruff. $\frac{10}{9}$ $\frac{10}{9}$
 $\frac{8}{9}$ $\frac{22}{9}$ $\frac{90}{15}$ Ruff. ex Jny 12.1876

[illegible]

T. A. EDISON.

Menlo Park, N. J.,

1880.

9, 10, 14, 28, 27, 26, 25, 23, 22
 21, 20, 19, 18, 17, 16, 31, 31, 32
 37, 39, 41, 40, 43, 44, 46, 48, 49
 57, 54, 57, 56, 57, 60, 62, 65, 71
 76, 82, 95, 101, 102, 113, 61, 114
 115, 116, 120, 121, 123, 130, 132, 134
 135, 136, 137, 139, 140, 141, 142, 143
 144, 145, 146, 147, 148, 149, 150, 151
 152, 153, 154, 155, 156, 157, 158, 159
 160, 161, 162, 163, 164, 165, 166, 167
 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178
 179, 180, 181, 182, 183, 184, 185, 186
 187, 188, 189, 190, 191, 192, 193, 194, 195
 196, 197, 198, 199, 200, 201, 111, 100, 86, 78, 58
 6

T. A. EDISON,

Menlo Park, N. J.,

1880.

87 1/2 87 1/2 87 1/2 87 1/2 87 1/2 87 1/2 87 1/2 87 1/2 87 1/2
 10 1/2 11 1/2 12 1/2 13 1/2 14 1/2
 15 1/2 16 1/2 17 1/2 18 1/2 19 1/2 20 1/2 21 1/2 22 1/2 23 1/2 24 1/2
 32 34 36 - 38. 44 45 46 47
 12 12

46, 51-53-54-55, 56, 57, 58, 59
 61, 62, 65, 66, 67, 68, 69, 70, 72
 73, 74, 76, 77, 78, 80, 81, 83, 82
 84, 86, 87, 88, 90, 91, 93, 94, 95
 96, 97, 98, 106, 111, 118, 115, 116
 119, 121, 123, 124, 127, 129, 131, 132
 133, 135, 138, 142, 145, 144, 143, 146
 147, 148, 151, 152, 154, 159, 160, 161
 162, 163, 166, 167, 168, 171, 173, 174
 175, 176, 177, 178, 179, 181, 182, 184
 185, 186, 189, +

T. A. EDISON.

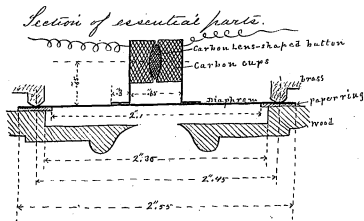
Menlo Park, N. J.,

1880.

125 2-13 4, 5, 8, 6, 10, 12, 13
15, 18, 19, 20, 21, 22, 23
24, 25, 26, 27, 28, 29, 30
31, 32, 33, 34, 37, 38, 39
40, 41, 42, 43, 45, 46, 47
48, 50, 57, 53, 55, 57, 60
61, 62, 63, 64, 65, 67, 68
69, 70, 71, 72, 73, 74, 75
76, 77, 79, 80, 82, 84, 86
89, 90, 91, 93, 94, 95, 96
98, 99, 100, 102, 103, 104
105, 106, 108, 110, 112, 114
115, 116, 117, 119, 120, 121
124, 125, 126, 127, 128, 130, 131
132, 133, 136, 137, 138, 139, 140
141, 143, 147, 148, 149, 150, 157
152, 153, 155, 158, 159, 160, 161
162, 163, 164, 165, 166, 167, 168
169, 175, 176, 177, 179, 180, 202
203

The Short Telephone.

Result of investigations regard-
ing several special merits which are
claimed as belonging only to the tele-
phone, the details of which are due
to Mr. S. H. Short.



It is claimed that, by using the lens-
shaped button supported in carbon cups,
the curves of which are slightly flatter
than those of the button, the pressure
upon the ~~ferrotype~~ diaphragm, due to the
sound waves and transmitted to the
points of contact between the lens and

supporting cups, will press the button and cups together with sufficient force to increase the area of the circle of contact to a degree depending upon the pressure, thereby decreasing resistance and increasing the current. Varying pressures will therefore cause a corresponding variation in the electric current and thus the telephonic action is caused.

Careful measurements of the several dimensions of the carbon button and cups were made, ^{by one} with a wire gauge and the mean of the several measurements, most of which were alike, taken as the true dimensions.



Average diameter of button, 0.425 inches.



Thickness in center, 0.102 inches.

Average thickness edge, 0.011 " .



Depth of carbon cup, 0.045 inches.



From measurements of

Mr. Shorte's own carbons ^{Extra.} ~~now~~ find

that the two so nearly coincided that at the outer circumference of the button there is a possible space of $\frac{5}{10,000}$ ths of an inch between

the button and the cups.

Now what will be the pressure brought to bear upon the button and cups in order, as Mr. Shatt says, to increase the area of the contact circles?

^{assuming that}
We will grant that a sound wave ^{strikes the diaphragm, having an ampli-}
^{having an amplitude of .0000112 ft. or .00134 in.}
tude of .0000112 ft., a very unusual circumstance, far above the average. We will also assume that the whole face of the diaphragm is exposed to the sound wave, and that on each square inch a weight equal to that of a body of air one inch square and one fourth of an inch thick, is projected with a velocity of one thousand one hundred and eighteen feet per second, which is the speed at which sound travels.

This will be too great, far on the safe side.

To find the energy we apply the formula

$$E = \frac{Wv^2}{2} = \frac{.0000112 \times (1118)^2}{2} = .7 \text{ ft. lb. per second}$$

.0000112 lbs is the weight of a column of air one inch square and one quarter of an inch deep. .7 ft. lb. per second will then be the energy (kinetic) on each square inch of diaphragm or the energy which .02 of would have in falling one second.

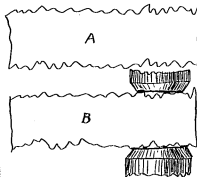
This unusual amount of energy per sq. inch of diaphragm is brought to bear upon the carbon by means of the arms support -

ing the cups.



The calculations which give the advantage, as to premises, in every case to the Short-Telephone result in giving an amount of energy which it is absurd to suppose can in the slightest degree, pressing against, dense substance like gas-carbon, cause the surface to give way to the pressure.

I made experiments with pieces of gas-carbon which were much smoother than Mr. Short's carbon and therefore better adapted to the purpose.



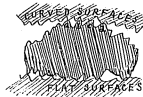
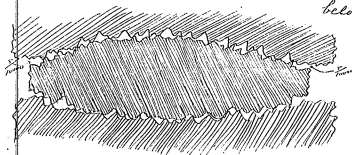
ed to the theory of the

Fig. A will ^{show} the irregularities of the surface in profile in an ^{oblique} view.

On applying the wire gauge to the surfaces of the carbon

I found that when the points of the carbon were ^{of the carbon} firmly on the surface, it took considerable pressure to ^{move the gauge} ~~bring them~~ ⁵⁰ ~~1000~~ ^{etc} of an inch nearer and my entire strength was necessary to turn the screw so as to bring the points $\frac{2}{1000}$ of an inch nearer together than they were at the beginning. Upon removing the gauge, instead of finding all the irregularities broken down, as ~~one~~ ^{it} might be expected, and smooth, ~~shiny~~ ^{smooth and shiny} surfaces where the points had

pressed, only a few shining points could be distinguished, showing that a few points on the surface of the gas carbon are strong enough to sustain several pounds pressure, and also that what appeared to be smooth carbon was covered with irregularities as great, at least, as $\frac{2}{1000}$ ths of an inch. According to measurements, the space between the button and cup at the outer edge was but $\frac{5}{10000}$ ths of an inch as accurately as the dimensions could be obtained and the carbons were in the condition shown below.



The condition would not fulfill the theory of Mr. Short. Even with a greater difference in the curve of the ^{two surfaces in Fig. 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100} two surfaces, for there will

always be the irregularities a, b, c, d, etc. already in contact which must be broken down before points outside can meet, which the sound wave can by no means do, and which requires considerable pressure.

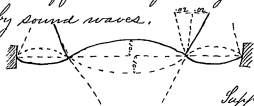
The carbons then, devised by Mr. Short, operate in identically the same manner as the flat carbons used in Mr. Edison's telephones, the pressure simply making the contact more intimate, or extended, respecting the points already in contact, and not extending the area of the circle of contact.

It is also asserted that the arms are placed on the diaphragm in such a position as to be at the points of reverse curvature during vibration, that is, where there is the greatest angular ^{motion}, which will give greater motion to the carbon cups than is possible from direct center diaphragm motion. The diaphragm

diaphragm motiori. The diaphragm is firmly held at its circumference, and the statement having been made that it was of the nature of a beam fixed at both ends I have determined the motion of the center of the carbon cup, supposing it to be a beam loaded in the middle, as the protecting cover concentrates the sound waves to that spot. The arm, ^{we} suppose to be placed not as in the telephone examined

but in the most advantageous position, that is, at a distance from the edge equal to one fourth the entire diameter.

The motion of the arms horizontally is the same as the vertical motion of the diaphragm. This is probably the case with thin mica diaphragms, the entire diaphragm being alternately above and below the line joining the edges, as sand is entirely thrown from off the surface by vibrations produced by sound waves.



Supposing the former conditions unaltered excepting that in the present case nodes are formed at the points of reverse curvature the horizontal motion of the arms is twice as great as the center diaphragm motion.

All these theories are useless however as will be shown by experiments made with a ferrotype plate, the vibrations of the plate or diaphragm being shown by the formation of sand figures corresponding to different notes.

The few examples which are here given show that the utelizing of the nodes is impossible, as they are continuously changing for each note and the same

note given by different people will produce entirely different figures, the overtone causing a change. All the figures show



that the center-diaphragm

motion never fails as it is never crossed by a node.

The arms soldered upon the diaphragm are an obstruction to any nodal formation, likewise the irregular strains which may come from the heat in soldering, and worst of all the adjusting screw which puts an initial strain upon the diaphragm.

Wherein this telephone is like the Edison it is a success, wherein it differs I can find no improvement; but the contrary.

Respectfully Submitted,

Charles L. Clarke.

Menlo Park, N. J.

United States of America. "
 "
State of New Jersey, "
 "
County of Essex. "

I James Seymour, a citizen of the United
States residing at the City of Newark in the County of
Essex in the state of New Jersey being duly sworn de-
pose and say that I was employed in the manufactory of
Thomas Alva Edison in the early part of the year 1878
that at that time I saw, i.e. the early part of the
year 1878, a number of Telephone instruments construct-
ed after the manner shown in the accompanying figure
and marked figure 1 Edison Carbon Transmitter."

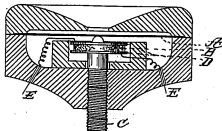
That these instruments were being manufactured
in considerable numbers at that time at the above nam-
ed manufactory at Menlo Park, New Jersey.

That at that time I saw a number of these in-
struments so made and constructed being shipped to New
York City and other points in the United States as

well as London England, and that I understood they were being commercially introduced and used by local Telephone Companies at New York City and other places.

That the aforesaid instrument was constructed substantially as shown in the accompanying drawing that it consisted of a diaphragm A, a carbon button B, situated between two metallic discs D,D, to which was connected the wires E,E, of a primary battery circuit and a screw C, which supported the buttons and discs, and was adapted to be turned to adjust the button B, relatively to the diaphragm,A.

Fig. 1.
EDISON CARBON TRANSMITTER.



United States of America. "
 "
State of New Jersey. " ss.
 "
County of Essex. "

I, James Seymour a citizen in the
United States residing at Newark, in the County of
Essex in the State of New Jersey being duly sworn de-
pose and say that I was in the employment of Thomas
Alva Edison the inventor, at Menlo Park in this State
and that at that time and place
I saw a number of Telephone Transmitters manufactured,
said telephones being substantially as shown in Figure
2 attached hereto.

That this instrument was known at that time as
the "Edison Inertia Transmitter". That it consisted
of an adjusting or tension screw A, a spring A' for
supporting the inertia button A", a lower carbon button
B, a diaphragm C and an arm D, attached to said dia-
phragm.

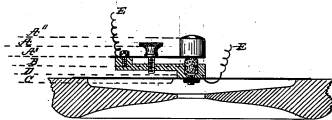
That this instrument was so constructed and ar-
ranged that by turning the screw A the tension between
the button A" and B, could be regulated.

That the primary battery circuit was arranged
as indicated by the lines E E. That I saw these in-
struments in commercial operation in various business

houses in London, England, and in the offices of the
Central Exchange, of the Edison Telephone Company, at
Corn-Hill, London, and at number 11 Queen Victoria
Street, London. (U.S. Patent No. 213,167, granted 1879)

Fig. 2.

"Edison Inertia Transmitter".



(D-80-037) [number not used]

1880. Phonograph (D-80-038)

This folder contains correspondence and legal statements regarding Edison's agreement with Oliver D. Russell for the use of the phonograph in toys. There are also account sheets relating to phonograph sales and to royalties from the Edison Speaking Phonograph Company.

All the documents have been filmed.

AUGUST BREHMER.

HUGO BREHMER.



ENGINEERS and MACHINISTS,

Sole Makers of Hoyl and Brehmer's Patent Wire Book-Sewing Machines,

Behr's & Brehmer's Patent Millstone Ventilating Apparatus.

OFFICES:

UNITED STATES—N. W. Corner 12th and
Noble Sts., Philadelphia, Pa.

ENGLAND—No. 19 Coverest Street,
London, E. C.

GERMANY—Office and Machine Works,
Pilsnitz, Leipzig.

—OFFICE AND MACHINE WORKS—

G. T. Corner 12th and Noble Streets.

Philadelphia, Pa., Jan 13 1880

Prof T. A. Edison

Dear Sir:

All the Phonographs made by us
for the Edison's Speaking Phonograph Co., New York,
are now ready for your inspection. We shall
with pleasure offer Mr. Carman every facility
to complete his examination & adjustments.

Most Respectfully Yours
Brehmer Bros.

Michigan 1870

June 15

1870

Office of
LORiot & OSTRoM,

Manufacturers of Clocks, Experimental Machinery, Models, &c.,
120 to 126 FULTON STREET, (Commercial Building.)

New York, Jan'y 15th 1880

Prof L. D. Edison

Dear Sir

Mr Bergman informs us that the clock movement made by us for the Phonograph was placed in your possession, & that you can tell us all about it.

He had been trying to find someone that has the matter in charge, but do not seem to be able to do so. You refer us to the Phos. & C. they (through Mr B) defer us to Mr Painter. He neglects to answer our inquiries on the subject entirely. He also now again referred to you by Mr Bergman. How could by any means learn how many more letters it is required for us, to write in order to get the matter settled, we would write them all at once. Some one is evidently speaking fools of us.

We'll be obliged to you for information as to who is the party to request a settlement from, & where such party is. It is not right for us to left out of our work & pay for such a length of time

Very truly
Yrs
Loriot & Ostrom

City of New York } ss.
County of New York }

I Oliver D. Russell being duly sworn do depose and say that, no Toys such as are described in the contract entered into between Thomas A. Edison and myself January 7th 1878, have yet been made, and that due diligence has been exerted to render the Phonograph applicable to the Articles enumerated therein.

Oliver D. Russell

Sworn to before me
this 15th day of January 1880.

Thos. Ryan

Notary Public
City & Co. of N.Y.

City of New York } ss.
County of New York }

I Oliver D. Russell being duly sworn do depose and say that, no Toys such as are described in the contract entered into between Thomas A. Edison and myself, January 7th 1878, have yet been made, and that due diligence has been exerted to render the Phonograph applicable to the articles enumerated therein.

Oliver D. Russell

Sworn to before me
this 14th day of February 1880.

Thos. Ryan

Notary Public City & Co. of N.Y.

Chas. A. T. 50.00

Phone

THE AMERICAN SPEAKING
PHONOGRAPH COMPANY.
NEW YORK CITY. 2/14, 80

Prof. T. A. Edison

My Dear Sir

There is due you for account the following, as per
enclosed reports, which I believe to be correct.

1879 June	126.00	
July	<u>72.00</u>	198.00
Aug	18.00	
Sept	37.50	
Oct	54.00	
Nov	37.00	
Dec	47.00	
1880 January	<u>89.00</u>	
	1180.50	

9800
2470
7350

9800
3553
4247

Less one each Oct in July 100.00
380.50

For which please find check
By Receipt C. H. Johnson Secy. Treas

Phono. Sales. July 1879

" 205	- Prof. S. A. Edison	- \$ 90.	Royalty	\$ 18.
" 207	- Dr. R. Palmer	- 90.	"	" 18.
" 208	- J. M. Barker	- 90	"	18.
" 210	- J. M. Barker	- 80	"	16.
"	- Small Phono	- 10	"	2.
		\$ 360	@ 20%	\$ 72.

Phono. Sales August 1879

" 209	Ch. Shaw	\$ 90	Royalty	\$ 18.
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Phono Sales Sept 1879

" 206	B. S. Avery	- \$ 90	Royalty	\$ 18.
" 203	Roll House	" 90	"	" 18.

" 1125, " 1127, " 1082 @ .50

1.50

37.50

Phono Sales October 1879.

# 219	M. Ferguson	-	\$ 90.	Royalty	\$18.
" 220	- Echeniere W.	-	\$ 90	"	\$18.
" 202	- E. Mathers	-	\$ 90	"	<u>\$18.</u>
					<u>\$54.</u>

Phono Sales Nov. 1879

# 217	- Dr. Wharon	-	\$90	Royalty	\$18.
" 221	- Dr. Clatland	-	\$80	"	\$16.
# 1127 " 1136 " 1124 " 1158 " 1179 " 1149					<u>3.00</u>
					<u>\$37.00</u>

Phone Sales December 1877

" 218 Bing May	\$ 90	Realty	\$18
" 228 Mr. Colcland	\$ 80	"	\$16.
# 177 1144 1033 1176 1141 1087 1809 1837 1777 1874 1897			
1706 1588 1903 1862 1134 1889 1634 1682 1627 1907 1841			
1815 1866 1724 1706 =	26 @ .50		\$13.

\$47.Phone Sales January 1880

# 216 - Geo Smith	\$ 90.	Realty	\$18.
" 223 - Cullen Co	\$ 80.		\$16.
" 224 - Anthony Co	\$ 80.		\$16.
" 225 - Cullen Co	\$ 80.		\$16.

1678, 1868, 1828, 1825, 1707, 1697, 1840, 1818, 1846, 1700, 1827,
 1852, 1704, 1848, 1879, 1704, 1881, 1643, 1760, 1745, 1768, 1622
 1800, 1769, 1614, 1619, 1642, 1604, 1756, 1783, 1821, 1817, 1844,
 1755, 1757, 1879, 1602, 1867, 1701, 1874, 1758, 1836, 1853, 1785,
 1795 One by Bergmann No. not reported = 46 @ .50

255.38

2553

4/38050
95.12
 25538

38050
 11771
 26259

\$89.

Phon Ray

Ward	9512
C. B. Allen	2853
J. A. Allen	1426
W. H. Allen	24289
	<hr/> 38050

To Feb 1. 1880

Sum to Phon Ray

Pomeroy	24.50
C. B.	786
J. A.	368
W. H. Allen	6247

A. ALEX. POOL & CO.,
Manufacturers of
Electrical Work, Harglar Motors,
HOTEL ANNUNCIATORS, CALL BELLS, PUSH BUTTONS, &C.
Light Machinery, Tools and Specialties,
23 & 25 N. J. R. Ave.,

Newark, N. J. March 8th 1880
Prof. H. A. Edison

Dear Sir

Will you be
so kind as to loan me for two
or three days a Phonograph?

I wish to exhibit it at a literary
society on Monday evening the 15th inst
I will send a man after it on Saturday
afternoon next, if your answer is
favorable. If you will oblige me
I shall esteem it a favor, and
trust that I may be able, at some
time to reciprocate.

Yours Respectfully
A. Alex. Pool.

File

New York, N. Y. March 12th, 1880.

Thomas A. Edison Esq.

Menlo Park, N. J.

Dear Sir.

As it appears to me that we have reached a period in the history of the Tey Phonograph, when it is due to all concerned that its past & present status should be discussed, in deference to yourself and the spirit of our contract, I shall briefly review what has been attempted to overcome its incompleteness, without giving you what it has cost in money & labor, to effect that object.

On January 7th, 1878, the day in which you affixed your signature to my contract and that of Messrs Davis & Somers, you agreed to furnish a Phonograph for our joint benefit; they to apply any good results of experiments to the use of Clocks, and I, the same, for the use of Toys - With your assistance the work was entered upon with great enthusiasm, and continued long after pressing duties had taken your attention entirely away; but our efforts proving a failure, with your consent on May 3rd, '78, my contract was extended so as to include Mr Charles

B. Harris - His persistent efforts to render the Phonograph obedient to our wishes, were no doubt noticed, and are remembered by you. For several months, as you are aware, we employed a skilled mechanic, who took up his abode at Menlo Park and worked under your personal supervision; and was only recalled & discharged when we were informed that nothing more for the present, if at all, could be done for a Toy Phonograph -

It was at this juncture that Mr Harris became discouraged, and asked for permission to find a purchaser willing to relieve him of further responsibility - Mr Roosevelt was found, and by your leave took his place; when, after due deliberation, we closed a contract with Mr W. B. Hollingshead for a continuation of the work. Until recently, nothing was left undone that money and industry combined could do, to devise a way to render your discovery a source of pride & profit to us all - Mr Hollingshead succeeded in reducing the apparatus to the size of a spool of thread, and, as I thought, was rapidly bringing it to almost absolute perfection; when suddenly he announced that he had stopped work; giving no reason for doing so, that I know of, other than that it was not paying him enough to continue the experiments longer, and that

he did not believe he could do it.

You have now the outline of what has been done up to the present time to work out the problem of the Phonograph - I will say, however, so far as I am concerned, that my faith in its ultimate success is unshaken by what has transpired, for I have heard enough on it in its reduced size to satisfy me that, some one will yet turn up with ingenuity enough to finish what you and others have done so much to accomplish - But we are now troubled to know where to find a man who is competent to undertake it - If it is within your power to direct us to such a person, or to make any suggestions looking to a way out of this difficulty, by doing so you would greatly oblige,

Very Respectfully Yours,

Olevis D. Russell.

114 E. 19th Street.

To,

Thomas A. Edison,

Menlo Park.

N. J.

City of New York }
County of New York } ss.

I, Oliver D. Russell being duly sworn do depose and say, that no Toys such as are described in the contract entered into between Thomas A. Edison & myself on January 7th, 1878, have yet been made, and that due diligence has been exerted to render the Phonograph applicable to the articles enumerated therein.

Sworn to before me this } Oliver D. Russell.
15th day of April, 1880 }

Fred. J. Karcher,
Notary Public.

City of New York }
County of New York } ss.

I, Oliver D. Russell being duly sworn do depose and say, that no Toys such as are described in the contract entered into between Thomas A. Edison & myself, January 7th, 1878, have yet been made, and that due diligence has been exerted to render the Phonograph applicable to the articles enumerated therein.

Sworn to before me this }
15th day of May, 1880. } Oliver D. Russell.
Fred. J. Karcher,
Notary Public,
King's Co.

City of New York } ss.
County of New York }

I, Oliver D. Russell being duly sworn do depose and say, that no Toys such as are described in the contract entered into between Thomas A. Edison & myself on January 7, 1878, have yet been made, and that due diligence has been exerted to render the Phonograph applicable to the Articles enumerated therein -

Sworn to before me this }
15th day of June, 1880. } Oliver D. Russell.
Fred. J. Karcher,
Notary Public,
King Co.

City of New York } ss.
County of New York }

I, Oliver D. Russell being duly sworn do depose and say, that no Toys such as are described in the contract entered into between Thomas A. Edison & myself on January 7, 1878, have yet been made, and that due diligence has been exerted to render the Phonograph applicable to the Articles enumerated therein -

Sworn to before me this }
15th day of July, 1880. } Oliver D. Russell.
Fred. J. Karcher,
Notary Public,
King Co.

City of New York } ss.
County of New York }

I, Oliver D. Russell being
duly sworn do depose and say that, no
Toys such as are described in the contract
entered into between Thomas A. Edison &
myself January 7th, 1878, have yet been
made, and that due diligence has been
expended to render the Phonograph
applicable to the articles enumerated
therein -

Oliver D. Russell,
Sworn to before me Aug. 14th, 1880.
Fred. J. Karcher,
Notary Public.

City of New York } ss.
County of New York }

I, Oliver D. Russell being duly
sworn do depose and say that, no Toys such as
are described in the contract ~~entered~~ into between
Thomas A. Edison & myself, January 7th, 1878,
have yet been made, and that due diligence
has been expended to render the Phonograph app=
licable to the articles enumerated therein -

Oliver D. Russell
Sworn to before me Sept. 15th, 1880.
Fred. J. Karcher,
Notary Public.

1880

City of New York } s. s.
County of New York }

I, Oliver D. Russell being duly sworn do depose and say that no Toys such as are described in the contract entered into between Thomas A. Edison and myself January 7th, 1878, have yet been made, and that due diligence has been exerted to render the Phonograph applicable to the articles enumerated therein.

Oliver D. Russell

Sworn to before me this
15th day of October 1880.

Fred. J. Karcher,
Notary Public
City & Co. of New York

Nov. 15, 1880

Office of
Theodore L. Roosevelt,

40 West 18th Street,

New York, Nov 15th 1880

Church Organs

My dear Mr. Edison -

In order to amicably and peacefully settle the matter of the "organs contract" with Mr. C. D. Russell I have offered to buy from him the balance of his interest and he has agreed to sell it to me. Will you drop me a line consenting to his transferring his interest to me and I will have my messengers and proper legal papers drawn up - I know it will please you to have this matter peacefully disposed of and I assure you it does me - I remain with kind regards to Mr. Edison & love to Betty

Yours truly,

Theodore L. Roosevelt

If you sell the Mr. C. D. Russell's Organs let me to him and tell him my bill for work on organs is unpaid etc.

Church Organs

Office of
Theodore L. Roosevelt,

40 West 15th Street,

New York Nov 18 1899

My dear Mr. Edison -
Mr. Russell seems
to wish to close the toy matter
and all that is needed is your
consent to the transfer - If this
is satisfactory you will
kindly drop me a line to
that effect I remain

Yours truly
Theodore L. Roosevelt

I consent to transfer

1880. Railroad - Electric (D-80-039)

The folder contains correspondence and other documents relating to the experimental electric railroad constructed by Edison at Menlo Park. Related material can be found in Scrapbook, Cat. 2174 (Miscellaneous Scrapbook Series).

All the documents have been filmed.

Wanted.

16 ft. Rail complete with
fishplates, bolts and $\frac{7}{16} \times 3$ " spikes
to lay one half mile of track.

Order of Pioneer Iron Works

149 to 163 William St. Brooklyn N.Y.

according to prices given to L^{td} ^{to} ^{the} ^{company}
at rate of \$66.00 per ton of rail -
35 cent per pair fishplates with bolts
and 5 cents per ft of $\frac{7}{16} \times 3$ " spikes. -

OK Gardism

Wm 4. 1880
OK
J. C.

OK
received

THE ROCKAWAY

Elevated Rail Road Company.

Office, 106 GREENWICH STREET, Room 23.

Removed to 196 Greenwich Street.

W. WILLSHIRE RILEY, Pres.
EDWARD F. FARRAND, Vice Pres.
FRANK A. BARTHOLOMEW, Sec. & Treas.

New York, May 15th 1880

Mr Edison

Dear Sir

I notice in the Herald of the 15th an account of the experiment with your Electric Motor or Draft Engine.

I have always been a believer that the time would come when the power of Electricity would supersede steam in a great variety of industries. I rejoice in your success. Believing that your motor is just the thing for Elevated Railroads, I take the liberty of presenting you with a descriptive circular of my Centre & Safety Rail, Elevated Railway, and to ask you whether you can adopt your motor to it without much trouble.

I have a company organized to build a piece of my Road about one third of a mile in length, at Rockaway Beach Long Island. It is to start at the Neptune House on Linnecss Bay, and will pass over the New York and World Harbors Rockaway and the Long Island Railroads, to and along the ocean.

My way was
with the Riley

W. W. W.

Beach, we wish to get rid of the trouble and weight
of an engine, our cars will be light and from then
to six in a train on tracks, at about twenty to the
hundred, from the beginning until we pass on the Railroad
about four hundred feet, our road will be about
one thousand feet from the Grand Hotel now
being completed, all who may visit Rockaway
either by Boat or Car must see my Road.

I suggest whether it would not be to your
interest to place your motor on our Road and
share in the profits, and publicity that the
Combinations would attract,

Knowing that your time is so
fully employed, I will by your permission call
on you & show you my models.

Hoping to receive a
line on your earliest convenience.

I am very respectfully Yours
J. H. H. Riley

Just go into it
if you want to see the RR come down

THE
RILEY CENTRE AND SAFETY RAILS



✱ELEVATED RAILWAY AND CAR.✱



Office: 136 Greenwich Street,

Bet. Fulton and Vesey Sts.

NEW YORK

Allow us to call your attention to the accompanying Lithograph of "RILEY'S RAILWAY AND CAR," patented 1876, and to explain in a brief manner what we consider its advantages over street railroads and all others as regards safety to life (which should be of paramount importance), durability, and economy of structure and machinery.

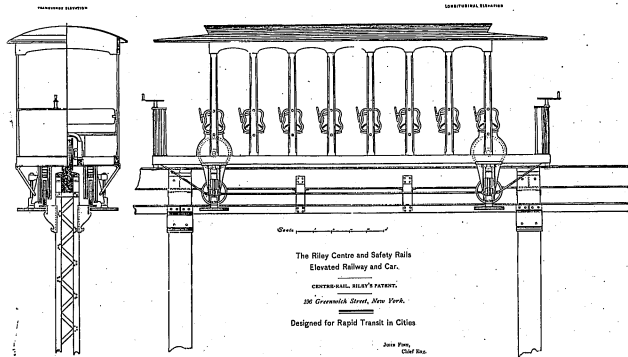
It is constructed, in cities, when of iron, of wrought iron beams, channel and angles; not likely to need repairs for years; elevated above the gutters, mud and all obstructions, giving free circulation of air and distant views of cross streets.

A ride in the car is free from dust, speedy and delightful. It is perfectly safe; so constructed that it is impossible for the car to be got off the rails. Cars can be driven by pneumatic power, avoiding fire, smoke, dust, and the injurious effects of escaping exhaust steam, which precipitates the floating particles of smoke and dust upon the merchant's exposed goods; or by the locomotive; or, where high grades are to be ascended, by a wire rope, like the street cars on Knob Hill, in San Francisco. Over suspension bridges like the New York and Brooklyn Bridge, where a grade of over one hundred feet has to be ascended from the City Hall to the summit of the bridge, and as the cars would be exposed to fierce winds, absolute mechanical means are added to the laws of gravitation to keep the cars from being blown off from that grandest of all highways.

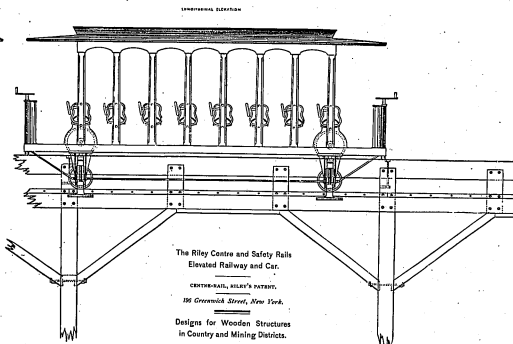
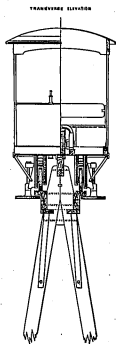
The photo-lithograph will show the arrangement of the driving wheels on the centre rail. The four side perpendicular wheels that traverse the upper side of the angles that form the bottom of the truss, effectually prevents oscillation, and should a wheel or axle of the driving wheel break, would carry the car and form a narrow-gauge road. The four horizontal wheels in the hangers or brackets that traverse the safety rails under the flanges of the angles, also aid in preventing oscillation, and should the side wheels break, they are set so near the flanges, that the car cannot be blown or lifted off the rails.

A double track can be built in a city, placing the posts at the edge of the sidewalk on either side of the street, or through the middle, placing the posts eight feet apart crosswise, and can be connected together by iron or wooden attachments below the safety rails, making a very strong structure without costly foundations.

[ENCLOSURE]



[ENCLOSURE]



The Riley Centre and Safety Rail
Elevated Railway and Car.

CENTRE-RAIL, RILEY'S PATENT,
195 Greenwich Street, New York.

Designs for Wooden Structures
in Country and Mining Districts.

JOSE PAUL,
Chief Eng.

[ENCLOSURE]

The road being only about forty inches wide at the bottom flanges, does not obstruct the light or street in crowded thoroughfares; can be built in narrow streets or alleys, turning any curve that can be turned by a horse-car. The structure can be made very ornamental, either of wood or iron. We show in the photographs one built of wood with iron rail and bolts, and is designed for country and mountainous mining districts, and one of iron for cities, &c.

WOODEN-ELEVATED ROADS are peculiarly adapted to the country. They can pass through fields, over cross-roads, and in mountainous countries, passing around spurs of mountains, spanning cañons and streams, where to build surface roads, tunnels and costly bridges, culverts would have to be built and maintained, and would be liable to landslides, falling of bridges and tunnels, obstructed by floods or snow, making them too costly to construct and maintain, for the business of agricultural and mining districts.

Although this is an ELEVATED ROAD, it needs only to be sufficiently high in level lands to clear all stock or road travel, or could be placed upon cross sleepers any distance apart deemed best, on the ground, if level or graded. Where the line runs with fence boundaries, the posts could form a part of the fence and compensate for the right of way. The whole structure being always in sight, exposed to sun and air, the rails being firmly bolted to the truss or beam of iron or timber, no accident can occur from a broken rail.

THESE ELEVATED RAILROADS can be built by towns and villages to the lines of great roads, by coal and other mining, smelting or lumbering companies, to connect sea-side resorts, and when built, mainly of wood, as cheap as ordinary turnpikes.

We believe this road only needs to be built properly to be appreciated by all who value the saving of life, or wish to practice economy in the construction and operating of railroads. Cars and Locomotives, full size, are built ready for use. Working models were exhibited at the State Fair at Columbus, Ohio, where we were awarded a diploma, and also at the Int. Fair of the American Institute, where we were awarded the Medal of Excellence for Elevated Railways. These models can be seen at our office. Rights to use our patented Elevated Railway and Car will be leased on liberal terms, as our royalty.

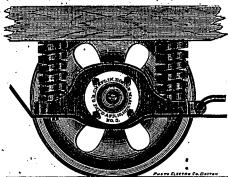
For further particulars please address,

Yours respectfully,

W. WILLSHIRE RILEY.
P. A. BARTHOLOMEW.

RILEY & BARTHOLOMEW.

Patentees and Sole Owners.



Memorandum.

To *James M. Seymour Esq.*
Wisconsin
N.Y.

THE CHAPLIN ANTI-FRICTION CAR BOX CO.
No. 18 DEY STREET, N. Y.

CONSULTING ENGINEER'S
OFFICE.

May 27 1880.

Dear Sir-

You are authorized to make such
arrangements with Mr. Thomas A. Edison for
the use of our Anti-friction bearings on his
Electric railway as you may deem best for
the interest of this Company

Yours very respectfully
John B. Chaplin
Secretary

(May 1880)

Be so kind enough
to let me have 10 more
bar loads of sand for
my Gravel & oblige
Yours truly
T. A. R.

G. R.

Pioneer Iron Works

At what price can You furnish now
16 ft. Rails - Splice bars and
Spikes, same as You sent before

OK June 4

West Point Foundry - Old Spring
Putnam County N. Y.

Model of Napier's Friction Brake
returned by Express today with thanks,
saying, that it cannot be well applied,
for purpose for which we hoped to
apply it. -

OK
June 8 - 3-48
W.C.

John K. Porter.
Governor of New York.
Gen. Wales Smith.
Chas. Francis Smith.
Gen. S. B. Smith.
Wm. L. Dwyer.

P. O. Box 1836.

Porter, Lowrey, Torrey & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad St. New York.

June 9th 1880

Dear Edison

To-morrow Goodard accompan-
ied by Guilford of the Elevated Road & perhaps
Mr Navarro will go out to see your road.
I shall go too if possible, but perhaps I
may be prevented by a case in Court which
is liable to come on. If I am not there
I should wish that nothing should be said
about the organization of a company or
any other of the business phases of the
exploitation of the railroad, for reasons
which I will explain to you &
which may materially affect you.

John R. Porter,
Governor H. Lowry,
Gen. Wales Sarn,
Flat River's State,
Gen. S. H. Smith,
Wm. L. Porter.

P. O. Box 1836.

2

Porter, Lowry, Loren & Stone,
Attorneys & Counsellors at Law,
No. 3 Broad St., New York.

only the railroad but also the method
+ facilities for bringing out the Light in
New York

In short I have a plan to talk to
you about which will perhaps, put us
on a point (as the vulgar say) in re-
spect to the light as well as the rail-
road

My Very Truly
J. P. Lowry

My dear

I told Senator Hill of
Colorado about your R R motor &
he said he would like to see it. I
gave him letter of introduction to
you. He is the owner mainly of
the big smelting works at Denver.
Is worth several millions, & the best-
smelter in Colorado. He buys large
amounts of ore to be hauled to the
RR from out of the way places.

I hope the acquaintance will be pleasant
& profitable.

Yours
Wm. B. Smith

W-6-16-80

Denver & Rio Grande Railway Company,

17 CORTLANDT STREET,

(Coal and Iron Exchange.)

WM. J. PALMER,
President.

New York, 6-18 1878

My dear Mr. Edison

~~Dear~~ Genl Palmer has
just returned his car-pour to New York City,
I told him I would be back from Cincinnati
in week or ten days & come out with him -
He is very much interested in your RR
& will I think be of value to you in
its practical development

Yours
Wm. J. Palmer

June 28.

Painen Iron

Works

Please send me

40 more nails 16 pounds
per yard and 36 Pair

of fish plates with
bolts 3 kegs spikes

TAC
JYR by wgc

I should not be an expert but two
~~small~~ stations would be required with
 a small stationary engine & dynamo machine
 + you would get about 1/2 hp power for
 3 1/4 to 4 lbs of coal instead of 8
 & by the locomotive, the repairs are also
 much less on the electric loco - as we get
 traction by magnetism we do not have to
 have a heavy motor etc etc There are
 so many advantages that it would fill
 a book etc

which, at frequent intervals are saw and other water mills, run from the mines almost direct to the village.

Query, Would an Electric Rail Road, under the conditions reported, be more profitable than a Steam Rail Road?

Myself and associates who are interested in the project would like an expression of your opinion and a statement as to the character and extent of the advantages, if any, to be derived from using an Electric road rather than a Steam one.

I will be pleased to give you any further information connected with this subject you may wish, if called upon.

Fort Ann is 29 miles above Saratoga, and ~~thelr~~ miles south of Whitehall.

I visited your place one week ago Monday and rode on your rail road, with yourself and others. I was highly pleased.

I shall be greatly pleased to hear from you on this matter at your earliest convenience.

Yours Respectfully
W. R. Norris

NY 5 Ave Hotel
6-80

of

Palmer cons per J
till next week when I will
bring him out to see the RR

Jay
Hainin

Roxton, Mass.,
July 6, 1859.

My dear Mr. Edison: This note will be handed to you by Captain Joe V. Meigs of Lowell Mass., a very intelligent and scientific inventor, who is a valued personal friend of mine.

I have heard of your applying the magnet, as a motor for a railway; and I think he has the best form of a railroad for any purpose, and especially for such a purpose, which please examine, as I have asked him to take his model with him.

Any courtesy you may show Captain Meigs

(over)

will be appreciated by.

Very truly
Your friend,

Ben. Brinley

Thomas A. Edison Esq.
Menlo Park, N.J.

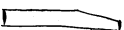
OFFICE OF THE
ADIRONDAC STEEL WORKS
 GREGORY & COMPANY

JERSEY CITY, N.J. July 9 1880

J. F. Edison Esq.
 Mendham Park N.J.
 Dr. Sir

Send Mr. Edison the
 following: one roll
 of the Rensselaer
 Steel & Iron Co.

Your model and
 letter of the 8th inst. came
 duly to hand. we regret to
 say we have no facilities to
 roll the plates you require
 we would suggest you in

the Rensselaer Steel & Iron Co.
 Troy N.Y.
 who make Niagara Steel &
 roll rails they might cut
 rolls to roll it. it is not
 a very easy matter to roll
 the plates you require. we
 only roll plain bars. some
 times with a bend 
 Yours very Gregory & Co.
 110 114th Street
 Jersey City

Jas. R. Thompson,

J. H. Gaudier,

B. Hingworth,

Robt. G. Buxhall.

JERSEY CITY STEEL WORKS.

JAS. R. THOMPSON & CO.




Jersey City, N. J. July 9 1880

*Mr. T. A. Edison,
Menlo Park, N. J.*

Dear Sir,

*Replying to your favor of
the 8th inst. would say we have
no facilities for rolling the steel wanted,
we return pattern.*

*Yours truly
Jas. R. Thompson* 
Produce

The Farist Steel Co.
Manufacturers of
Cast Steel, Spiral & Elliptic Coil Springs
Bridgeport, Conn. July 12 1880

When Cast
J. A. Edison Esq.
Menlo Park N. J.

Dear Sir

Your favor 8th inst
with wood pattern is
received. In reply would
say that have no rolls
on hand suitable for
rolling to the shape
required, and therefore
shall have to decline
your offer

Yours Truly
THE FARIST STEEL CO.

Windsor
J



Newark, N.J. July 10 1880

Mr. T. A. Edison

White Park Rd.
Dear Sir

Model - we cannot roll the rails - we return your

Yours Truly
Benjamin Atha & Co.
Attn: Thompson



Troy, N.Y. July 12th 1884

Mr J. A. Edison
Menlo Park, N.J.

Dear Sir,
In reply to yours of
10th inst, by today we can
not furnish the descrip-
tion of Rain & plate you
desire.

Very truly,
Albany & Rensselaer Iron & Steel
per Schuyler

The Pratt & Whitney Co
Hartford Conn.

We have shipped two more metal
gears today.

~~But~~ We have only roughed them
out, Please turn them to the
Diameter and right length of face
& cut them 13 Teeth the same
as the first pair

G. A. C.

OK
July 12
M.C.

E. Y. TOWNSEND, President.
CHAS. S. WURTS, Vice Pres.
JOHN T. KILLE, Treasurer.

OFFICE:
No. 318 South Fourth Street,
PHILADELPHIA.

IRON AND STEEL WORKS

OF THE

CAMBRIA IRON COMPANY.

D. J. MORRELL, Gen'l Manager.
GEORGE WEBB, Gen'l Agent.
JOHNSTOWN, PA.

Johnstown, Pa., *Only 19th* 1880

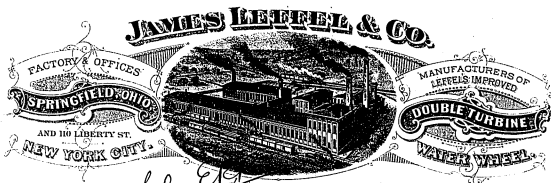
D. A. Edison Esq.
Menlo Park, New Jersey

Dear Sir:

Your favor of 17th inst. with patterns
of rails & splice bar, is rec'd.

We are very full of work at present, but
could probably get up rolls ^{for your patterns} in six weeks.
The quote for the Rails & Splices, 4¢ per lb
in steel or 3¢ per lb in iron, for the cars
here, cash & would have to charge you
\$350. = additional for getting up the rolls,
as the quantity wanted would not justify
us, otherwise, in looking your order -
Awaiting reply we are

Yours Resp
D. J. Morrell
Gen'l Manager



In Reply to yours.

file 27
Springfield, O. July 27 - 1882.

J. A. Edison, Esq.,
Menlo Park, N. J.

Sir - We beg to acknowledge receipt of your esteemed favor of the 24th inst. and to inform you that we have no agent at Denver who in our opinion would be thoroughly and fully competent to make an estimate of power such perhaps as you would require. We have only local sales agents there and we are at a loss at present to refer you to any party who might be able to give you such information as is desired. We think perhaps by addressing Messrs Hendrie & Balhoff Mfg Co. Denver, who are dealers in mining machinery you might be able to obtain such references as would lead to the information desired.

Should you wish any information concerning our water wheel, we would be glad to send you copy of our pamphlet or to refer you to our House at 110 Liberty St. N.Y. City.

Yours very truly,

James Leffel & Co.

5
July 29, 80
Springfield, Or
N. A. Edison

Impossible now to send our ^{man} ~~man~~
to Colorado. George E Morgan
room sixteen Major Black
Chicago Ills or Saml Webber
Manchester NH might go on
application both perfectly competent

file — James Leffler to
EPR
29/80
1009



In Reply to yours

Springfield, July 29 - 1884.

Mrs. Addison, Esq.,
Mendota Park, N. J.

Sir - Your telegram of the 28th inst. is just recd. desiring to know the expense of one of our most competent men to go to Colo. immediately and report on the availability of a water power there to which we have replied as follows: "Impossible now to send our man to Colo. Geo. C. Morgan, Acorn 16 Major Black Chicago Ill. or Daniel Webber, Manchester, N. H. might go on application - Both perfectly competent." We think in all probability you would be able to obtain the services of Mr. Webber as he frequently does work of that kind. It would be out of the question for us to spare any of our men who are competent at the present time to attend to the matter for you. Would be glad to do so if in our power.

Yours truly,

James Leffel

(July 1880)
The Pratt & Whitney Co

In reply to your favor of July 3^d
we have telegraphed this morning
to turn the 4 spur gears to suit the
two per inch Diametral Pitch and
to cut them 14 and 28 teeth.

The last spur gear sent will
have 14 teeth also. of the same
beveled Pitch.

The small gears run in the large
ones to make a quick & slow
motion.

As to the center gears we consider
it necessary to have the very strong
teeth that is 13 teeth as they have
to transmit the same power as the other
gears, except a few 28 inches
otherwise turn & cut them as
you think best.

It will be satisfactory to me if
you make & keep the cutters and
charge me the amount named.

Yours, J. L. E.
K.

Pratt & Whitney Co (July 1880)

Hartford Conn

Turn spur gears and
two inch diametrical pitch
cut fourteen and twenty 8 teeth

A. A. G.

(July 1880)

Mr. Carman

Res. m. To The Pratt & Whitney Co

Offerings about when we
can expect our gears.

Q

Mr. Carman

Res. m. To

The Edgar Thomson
Steel Co. Limited

Bessemer Station

about the rails
Pittsburgh County Pa.

also to

Cambria Iron Company
Johnstown Pa.

To

Carter Steel Co.

Limited
Johnstown Penna

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions, limiting its liability, which have been accepted by the sender of the following message.
It is not to be sent except on condition of its being sent back to the sending station for comparison, and the Company makes no liability for errors or delays in transmission or delivery of the message.
The message is an UNREPEATED MESSAGE and is delivered by request of the sender, under the conditions named above.
A. H. HENNINGSEN, Secy. NORVIN GREEN, President.

Dated Oligabith Aug 3^d 1880

Received at Menlo Park

To J. A. Edison

READ THE NOTICE AT THE TOP.

Absence from the City of one of the Gentlemen will make it impossible to call on you this evening as per letter will write you.

B. F. Newhouse

25 paid C.M.S

He is to be notified when Loco again ready - make note & file this w. Glatschke

T. A. EDISON,

Menlo Park, N. J., Aug 7 1880.

B. F. Newhouse

Secy

J. M. Newhouse

my

do not come in regard to Electric R.R. matter I notify you

~~Edison~~

T. A. E.

NEW YORK,

Aug. 20, 1880

Dear Edison:

In accordance with our understanding of yesterday I went to Messrs. Drexel Morgan & Co. this morning to arrange the credit for you on account of the electric railway experiments, and when in the course of conversation with Mr. Fabri it became necessary to explain the circumstances, Mr. Fabri suggested that it did not seem right that I should do this, but at the same time appreciating the importance of your going on with the work it was arranged the credit should be opened not as from me personally but by Messrs. Drexel Morgan & Co. for the account of the proposed "Edison's Electric Railway Construction Co. of the United States". There is, consequently, to your credit in this connection \$1,000 ^{as the money goes forward} subject to your check.

Both Mr. Fabri and Mr. Lowry are as anxious as yourself that no time whatever should be lost in perfecting the organization of the railway, Co. and the general lines have been settled this

THE MERCANTILE TRUST COMPANY.

NEW YORK,

morning with Mr. Lowery, and at Mr. Lowery's request I go to Farmington to spend the night with him, with the view, if possible, of crystallizing the matter so as to enable its being put in hand at once.

I have had a very satisfactory conversation with Mr. Fabri with respect to the British interests in this connection, and shall have more to say to you about this when I next go down to Menlo.

Yours sincerely

W. Warburton

THE MERCANTILE TRUST COMPANY.

NEW YORK.

Aug 24th 1888

My dear ~~Colon~~ ^{Colon}

I beg to hand you herewith duplicates of the two powers of attorney which I left with you this morning to be executed in the matter of the electric railways and electric lights for certain British colonies. The agreements were signed this morning. I left the original powers of attorney to be witnessed notari ally and by the British Consul. Those I herewith enclosed is to complete your records when you shall have executed and forwarded those left this morning.

Yours truly,

Wm. M. M. M.

* Duplicates sent you today with others.

THE MERCANTILE TRUST COMPANY.

NEW YORK.

Aug 24. 1880

My dear Edison

I beg to hand you herewith duplicate
of all powers of attorney and agreements which
you have recently executed in the matter of
the foreign patents. These are for completing
your records. - Fifteen papers in all.

Yours truly

Wm. H. Wood

To

T. A. Edison Esq.

17-9-1880

My Dear Dad

Please wire
me care

D & R G R R

17 Court Street N.Y.

N.Y. City

on receipt of this if RR
is working down the grade.

Palmer of Rio Grande had
to go to Colorado. His business

of South Park is here, yet.

He is going to day in two. I
want him to see it. - W. B. R. C.

W. S. Huntington

119 Devonshire Street
Boston Mass.

Yours of Aug 31 recd.

In answer would say that we have recd
drawings for the car bearing through
the J. Symonds and are getting out one
of our cars with this name, will let
you know the result when we
after we have typed it

T. A. E.

OK
Sept 13 12

E. Rail way
My Sept 16 88
Jame L Harrison
a Oct 1, 88

We have dropped Everything
for the time being so we
put out our electric light as
New York Sept 6th 88.
Soon as we can get back on the
E. R. R. you will hear from us
Thomas Edison Esq

Sir

More than two
months have elapsed since Mr
Robins and I visited you in relation
to my Independent Rail Road aply.
on which time you promised to
send me dimensions of axles for
your new R.R. car but up to date
I have not received them. I know
of no reason why I should not
other than you may have lost
my address. Should you write to say
it will be pleased to receive
them and I shall have W. L. B.
make at my expense for you.

I remembered your ^{very} conversation
in connection with your ~~the~~ new
curve you were going to make
and you were soon asking how
you would get around it, but
after you saw my apple you
said it was just the thing
and with it you could round
any curve" which is true.

Respectfully Yours

Samuel L. Garrison

319. West 32nd St

New York



ANTI-FRICTION BEARINGS CO.,

MANUFACTURERS UNDER KING'S PATENT.

BLOCK, SHEAVE AND PULLEYS' BUSHINGS, BICYCLE AXLE BEARINGS,
SHAFTING, STREET AND STEAM CAR AXLE BOXES,
WAGON AXLE BEARINGS.

Especial attention to fitting Duplex Rollers to all kinds of Rotary Bearings.

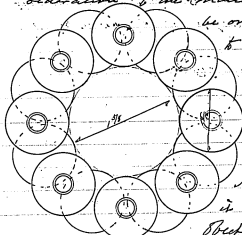
Post Office Box 50.

New York, 17 September 1880

J. King
Prof. S. A. Edison - Mount Park -

Dear Sir

I have looked over my patterns for an 1 7/8 Oule and find there one which would give as below shown - and I will say even to fit the Paper you have made I will make a pattern and finish it & you give of each of these three Paper you have selected for the same amount, another day is P. Chaplin's paper - and if you give fit both hands and test each with dynamometer I will say afterwards you may be to fitting I will give it space not to send the Chaplin's too to come and fit it 40 miles per hour on 24 inch which show a saving in Power of average in starting 3 to 1 and 15 miles per hour 2 to 1 25 miles saving of 100% at 30 miles 30% 40 to 10% in Power same. I cover on 16 in wheel the more rapid motion will produce proportionate results - and even in this further consideration of the matter I think this is it is important to be overlooked as it needs but a thought to determine as necessarily but little of distance on even long distances train will be more at high speed when ever the bearing is as good as best Boring bearing -



Should you determine to give this chance I will be pleased to call on you about it again Very Respt Yours

Respectfully J. H. King

Compare points of bearing with this full size and Chaplin tell the story etc

DUPLEX ROLLER BLOCK SHEAVE BUSHINGS.

Easiest Running, Most Durable and Cheapest.
AWARDED HIGHEST PREMIUM BY AMERICAN INSTITUTE.

In use on vessels of all kinds,

and storage warehouses.

RECOMMENDED BY ALL
Captains and Storekeepers,

SOLD BY SHIP CHANDLERS.



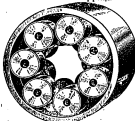
In use in mines and quarries

and building works.

RECOMMENDED BY ALL
Miners and Quarrymen.

SOLD BY BLOCK MAKERS.

CHALLENGE A TEST WITH ANY BUSHING MADE FOR EASY RUNNING AND DURABILITY.
Front view, Flange off, showing
Rollers inter-lapping. Back view of Bushing, showing
Rollers inside.



Warranted all Cast Steel, galvanized
or nickel-plated. No rust. No breakage.
No fret. Rollers can not get out.

Bushing in Metal Sheave.

Style of Double Bushing for Derricks, Pile
Driving, Quarries and all heavy hoisting.

Bushing in Wood Sheave.



We furnish to order all sizes of Wood or
Metal Sheaves fitted with Duplex Bushings.
For Price-List send to P.O. Box 50, New York.

*Anti-Friction Bearings
Sep 17/90*

*Intelligent Man
No more splitting of Ligaments
Sheaves by bushing flanges.
The Only Perfect Bushing Made*

SWIFT & VAN AKEN,
GENERAL CONTRACTORS,
DOCK AND BRIDGE BUILDING A SPECIALTY.

Office, Room 58 Astor House.

GEORGE F. SWIFT,
EDWARD VAN AKEN

New York, December 29th 1880

Prof. Edison Dear Sir,

Some parties lately called on me and represented that they were about going in reference to a short R. Road 1/8 mile long, running from the Parkway over to Long Beach and for which should be chartered to build said Road.

They stated that you desired to obtain the franchise and to operate the cars by electricity and if there is anything in the project, I would like to hear from you personally as to the cost, economy and feasibility of the undertaking.

I have an electric R.R. ^{3/4} mile long which was in operation here for several months carried 40 passengers 42 miles per hour will not take matter up until warm weather - I have no intention authorized to trade or negotiate for me

THE WESTERN UNION TELEGRAPH COMPANY.

THE COMPANY TRANSMITS AND DELIVERS messages only on condition, limiting its liability, which have been assumed to by its master of the following terms:
 Messages may be charged and sent only by express of message sent to the sending station by an operator, and the Company will not be held liable for any delay in delivery of a message or for any loss of a message, and the Company will not be held liable for any delay in delivery of a message or for any loss of a message, and the Company will not be held liable for any delay in delivery of a message or for any loss of a message.

A. R. BELLER, Secy.

NORVIN GREEN, President.

Dated

Received at

To Prof Edison

READ THE NOTICE AT THE TOP.

Memo Paris
 Can Palmer see
 Rail Road this
 Afternoon answer
 Senior Rio Grande
 office

U. H. Painter

12 paid Hook 11 am

My
J A Edison

Will the Electric
Railroad be run
tomorrow Some South
Americans want to
See it Answer prepa's
574 Wm St
W D Elcastro

20 pairs

Railroad not running
~~all hours~~ J A Edison

Q

1880. Railroad - Port Huron Railway Company (D-80-040)

This folder contains correspondence and other documents relating to the business affairs of the Port Huron Railway Company, in which Edison and his brother, William Pitt Edison, had invested.

All the documents have been filmed.

Pat. Know July 21. 1890

Al

I wish you would send
me a Proxy of your Stock
for should they have a
meeting I would sit like
a bump on a log in the
meeting and it would
make me more secure in
my position you will see
by the cotton reports that
the road is doing Tip Top

Love to all

WPE

5408
1191894
296162

FRANK WHIPPLE,
GEO. P. VOORHEES.

WHIPPLE & VOORHEES,

Attorneys at Law,

No. 7 and 8 Stevens Block.

Paul Huron, Mich., July 28th 1880

T. A. Edison Esq

Menlo Park, N. J.

Sir:

Railway Co. Law

The Port Huron, obtained an opportunity to sell the lot on which was situated the stable of the City Railroad Co. at what is considered by the directors a favorable offer. The Directors will sell the lot if consent of three-fourths of the stockholders can be obtained.

We herewith enclose a written consent to that effect signed by most of the stockholders here, all that could be found to-day. They have directed me to forward the same, and ask you to sign and return the same by return mail.

Yours respectfully
Geo. P. Voorhees

Port Huron July 28 1880

J. D. Edwards Esq

Dear Sir

At a meeting of the directors of the
M. & H. R. R. held on Tuesday 27th inst, the matter
of selling a lot owned by M. & H. R. R. was dis-
cussed and action on your signature will be needed to
make the sale valid - also the Iron matter was brought
up it is for the use or abuse of a lot of Iron owned by
M. & H. R. R. that was lent to the Marine Gazette. R. R. R.
and is not in fit condition to use in our M. & H. R. R. -
of course the profits resulting from the Iron should be accounted
to the M. & H. R. R. Co for the return or purchase of said Iron
H. P. Co. has since then since acquired the condition
of the Iron and has a good idea of its condition as
to its being sold in M. & H. R. R. or reported as unfit for
use - I think it would be well for you to write Mr
D. P. Gleason & also James Bond requesting that
H. P. Co. be invited to all meetings and to
be to contribute as acting for you and to be
consulted & considered in any matter where

[ATTACHMENT]

T. A. EDISON.

Copy of memo sent to Matcell
Menlo Park, N. J., July 31 1880.

Friend Matcell

I have
forgotten how many shares
I have got. you have
126. As we not control
it or let us as the
next action but our own
people in, when as the
next meeting, I have
about 34 miles said
here where I will not
work after Jan 1
16. After get
what is the price
of St RR stock now

2 7 1/2 3

T. A. EDISON,

Come over to
W.P.E.
Menlo Park, N. J., *July* 3^d 1880.

W. P. E.

How much money can
you pay on the Sanborn
Mortgage. If I take it up
and advance the 5000. to pay
Sanborn & taking the Mtge
at 8 per cent. If you ~~could~~
pay \$2000. then I will leave
me to pay \$3000. and on it an
annual interest of \$240
you could then go on and
pay dividends of 6 per cent
and the surplus I could
credit over on the Mtge
from time to time
what say you -

Can you give me a detailed
statement of - debts now to ask.

Cash on hand

~~Net earnings~~ last 6 months

T. A. Edison

President
J. Edgar
Vice President
Wm. H. H. H. H.
Secretary
Wm. H. H. H. H.



President
J. Edgar
Vice President
Wm. H. H. H. H.
Secretary
Wm. H. H. H. H.

St
Port Haven Dec 21 1880

J. A. Edison Esq file NO answer
my Dear Sir

I write you in relation to Street R.R. Pitt has offered your stock for sale at \$8,000. dollars I think the time is coming when at a fair value for the property say twenty five thousand dollars for the road. It will pay fairly - Now there does not seem to be any disposition to buy. and with me I have no money to put in. I am engaged in the North Georgia R.R. north which takes all I can raise. I said to Pitt two months ago that I would trade some of my Consolidated Geneva stock for it but him has a large development & is a very large property. He has expended a large amt of money. nearly or quite \$800,000 - Eight hundred thousand dollars. He is 12 miles from the South Park R.R. Grant Station Al-

President
J. H. Sparks
Vice President
Wm. C. Kelley
Secretary
H. A. H. H. H.



Secretary
John D. H. H.
Treasurer
H. A. H. H.

how build a good road from Utah
to Minn. how Boulder, Calceia work
& Smelter ready for business -
how some six Hundred tons go
out now and a large amount of dirt
work down, 1 Tunnel in 1000, ft -
1. Do 800, 1 over 300, shafts
down and some two thousand feet
of dirt run &c &c - I have no
doubt it is one of the best proper-
ties in Colorado - Cph. Sparks, for
much of the White Star line is the
Buck, AD Molloy of Baltimore & Cph.
Many of the divisions you know -
the per value of stock is \$20. per share
we set aside 60,000. share for bank-
ing Capital, price \$3, per share - you can
write Prof. Riser of Denver. Senator
Hills. Good Man at the Appo Works,
Denver who knows & has known of
the property for the past 5. 4. 2. 10.
Now I would, give you 2700. shares

13
of my stock for yours in the St. RR
I believe the mining stock worth
the most money, - by far, but my
object in making the offer is to get
rid of annoyance & have the
RR when we can have peace
I do not think the RR is run as it
ought to be, - and in the present
condition of things I don't see
how it can be without a good
most of the time. The stock in
mine is not accessible -
not Malloy owns, over 50,000 -
shares, when in N.Y. in Oct
I wrote you twice & let you
hoping to meet you but did not
hear from you

Yours Truly
J. H. Paulson

Griffindall
all about this Co

Office of the Geneva Consolidated Silver
Mining and Smelting Co., 40 Moffat Block,
Detroit, Mich., August 11th, 1879.

This Company has recently purchased one of the most extensive and valuable mining properties in Colorado, which embraces more than twenty separate mining claims, extending along the length of its various lodes, a distance of more than three miles.

The property has heretofore been worked entirely for the purpose of developing and improving its mineral wealth. Two long tunnels driven into the mountain and recently completed have fully demonstrated, beyond doubt, the paying capacity of the mines, which, from the lowest estimates, will provide a satisfactory return upon the entire capital stock of the company, whilst much greater results are confidently expected when the mines are developed to their full extent.

Compared with the average of mining investments, this enterprise presents the following advantages:

- 1st. The condition of the titles (being covered for the most part by United States patents) insures freedom from litigation, which is the ruin of many mining undertakings.
 - 2d. The Directors, having personally visited the mines, have satisfied themselves of the general accuracy of the reports made by experts, and that the calculations are from actual returns of ore sold, and not based upon mere samples and estimates.
 - 3d. The proximity of the Denver, South Park and Pacific Railroad provides reasonable transportation.
 - 4th. The ore removed has been little more than sufficient to thoroughly test some of the lodes, the bulk remaining almost intact.
 - 5th. The certainty that the veins are true fissures, and, therefore, inexhaustible for years to come. They are found to increase in richness as depth is gained.
 - 6th. The fact of acquiring a proved and complete property, with smelting works and all appliances in working order, and with all doubtful questions that appertain to newly discovered mines satisfactorily settled.
 - 7th. The Directors, being all practical business men and holding the great majority of the stock, the judicious and economical expenditure of the working fund is guaranteed.
 - 8th. The success of the enterprise is strongly supported, outside its mines, by the smelting works, which will command all the business from neighboring mines, and also from a large and certain demand for lumber controlled by the Company in Geneva Valley.
- Advices from the Superintendent of the mines, where work is now being pushed, is, up to end of July, most satisfactory. Prospectuses and all other information furnished on application to

A. L. STEBBINS, Secretary.

[ATTACHMENT]

Detroit, Mich., August 11th, 1890.

We take this opportunity of calling the attention of our friends to the GENEVA CONSOLIDATED SILVER MINING AND SMELTING COMPANY, which represents very important Silver and Gold mining interests, which have recently been amalgamated and purchased by the company.

The capital stock of the company is \$2,500,000, divided into 250,000 shares of \$10 each, not subject to any assessment.

The money actually expended upon this property up to date in securing the various claims, and in improvements, exceeds \$700,000. This is the value on which the Consolidated Company is based, and upon the same terms the directors offer for sale a limited number of shares to provide a working capital and reserve fund.

The price of these shares to present subscribers is fixed at \$3.00 per share. The working capital will be wholly applied to improving the property and in running a large main tunnel, which will cut the lodes at from 500 to 1,000 feet below the surface.

All the experts who have examined the property agree that this tunnel will develop still greater mineral wealth than that exposed in the present tunnels, and largely reduce the present cost of mining. The main tunnel will reach the principal lodes next spring, and in the interval other lodes will be intersected, greatly enhancing the value of the company's property. We can thoroughly recommend this stock to our friends, after satisfying ourselves of its soundness and promise of most profitable results.

Remittances should be addressed to the Secretary, and accompanied by the full name and postoffice address of the persons in whose name the certificates of stock are required to be issued.

J. H. SPARKS, President,
Formerly Agent White Star Line, New York.

DWIGHT D. MALLORY, Vice President,
Merchant, Baltimore, Maryland.

JOHN P. SANBORN, Treasurer,
Collector of the Port, Port Huron, Mich.

SIMON J. MURPHY, Director,
Detroit, Michigan.

HENRY HOWARD, Director,
Port Huron, Michigan.

JOHN P. TYSON, Director,
Merchant, Chicago, Ill.

JOHN D. BEST, Director,
Merchant, Denver, Col.

HENRY HOWARD,
Pres. First National Bank of Port Huron, Mich.

*Port Huron Mich. Dec 24-90
J. H. Sparks
D. D. Mallory
J. P. Sanborn
S. J. Murphy
H. Howard*

1880. Science (D-80-041)

This folder contains correspondence, agreements, and other documents relating to Science, a journal which began publication in 1880 and for which Edison provided the principal financial support. Most of the correspondence is by John Michels, editor of Science.

All the documents have been filmed except for a duplicate copy of the company prospectus.

767 Broadway - New York ^{Apr 17}
Room 10. 1/2 1880. —

To
Thos. et. Edison Esq.
Albany Park. N. Y.

Dear Sir,

I am thinking of taking action about the establishment of a strong Scientific Journal, and intended to have made you a visit to renew my conversation with you on the subject, but having been employed to my room this week have not had the opportunity.

I think you said that when you were further advanced you would cooperate with me. I notice you will shortly make another engine forward, and I seem to suggest that something be done.

There could not be a better time for literary the field is open, for with the exception of Patent office organs and journals limited to particulars to particular interests there is nothing in the market, and English Journals are establishing good subscriptions into heretofore wide quarters.

It should produce a good ten cent weekly intrinsically better than anything on either side, that shall in fact give each week

a thorough record of Science, and be made popular by good editorials, discussions, and correspondence on current scientific topics, useful mentions, appliances, sanitary matters, manufactures, in fact a thoroughly live paper. When I see the wretched sheets with limited subjects and no editorial capacity, paper. I can have no doubt of the commercial result of what I propose, as it would be an advertisement of my medium covering a very wide field. —

The capital required is a small matter; and I would like it employed to yourself and an other of those acting with you, as with your present interests at stake, it is really what you should have, and judiciously managed would save you and your friends many thousands, and if your paper it could be managed so as to be unknown who is backing me. —

I have received your very attacks and shall be about on Monday, and will drop a job down to your place, and come follow the matter up on my return with your suggestions, seeing those with whom you act as you direct. —

I intended to have the paper selling on every news stand in the U.S., but I shall have a strong backing from Scientists, and can depend on some of the best men to help me in special departments, and when I proposed at first starting the Journal - Prof Burt Wilder of Cornell sent me long lists of subscriptions from several Universities. —

If you can kindly think the matter over so as be prepared to advise with me when I see you (probably on Monday) next, I shall be obliged.

Yours truly
John Nichols —

Like the form of the English Muckam and many of its features, it has killed out a lot of rious and is a success

to Feb 7 1880
at Reading, Pa. Feb 7 1880.

Dear Sir,
I have been very much interested
in your plan, up a prospectus
in reference to the proposed
Journal which I think explains
the matter very well. Mr. F. Schmitt
appears to be a person of high standing
and considerable property at present.
will take one fifth interest
and probably a friend of his
will take another fifth. This
with your own fifth will
make three out of the five.
I was pleased by the Secretary

of the Edison Light Co. to
see Mr. Cutting, he said he
would look over the Prospectus
and advise with you on
the subject. I think as a
matter of business it will be
worth while to take a share
as I would like three out
of the five to be your firm's
friends. It may happen
as small matter, but I am
sure it will bring good
results, and with the great
interest you have at stake
and the persistent attitude
of a certain class of Scientific
men who have organs at
their command, I think

there would be no need to doubt
the letter & with the prospectus
I mention I would like to
make it a success with
some things which all could
not do with it. I will be as
good of some and
I can accept of Mr. A. B. C.
Phonograph, and if you
can keep it with any
of your friends I would
be glad to as I want to
establish it as justly as
possible, and keep private
who financially back it. —
You notice that of course
the promoters will handle

the finances all I want
is a free opportunity to admit and
make positive and constructive

But we have a few
loves from you as some
are coming in, and you
can come down to spend
of your afternoon and

[illegible]

as strong as it is weak as
 before, and has been
 - it has been

the Province will furnish
you with kind of course

767 Broadway N. Y.
Room 10 - April 30/88.

To

S. L. Griffin Esq.

Dear Sir,

Thanks for your
note of yesterday. I intended
to have enclosed Mr. Edison
three copies of the Prospectus
so that he might secure a second
one to show he intends to speak
to on the matter — I now enclose
them and will be obliged if
you will hand them to him

Yours Truly
John Nichols.

Prospectus.

The field being now open for the introduction of an American Scientific Journal comprehensive in its character and issued on a sound business basis, it is now proposed to form a small Company to publish such a Journal, which from the increased interest taken by the public in these subjects, and the large financial issues they often involve, may now be established with the best prospects of great success. —

The Name.

A title will be given indicating that the whole Scientific Field will be covered, perhaps "Nature" (American) — "Popular Science Weekly" — "The Intellectual Observer" — &c. &c. to be finally fixed by the promoters. —

Size

To meet the wishes of Scientific men, expressed to the Editor, the size of the Journal will be moderate, about 13 x 9, so as to make a handy volume when bound and easy for reference, the plan of the Editor being to make it a complete Record of Science with good Index, it will be one of the most valuable works of reference in every Library, and the only one of that character.

Issue

It will be issued every Saturday, with early edition on Friday for Mail — Price 10 Cents, the solid worth of which will be given. —

Contents.

Each number will contain two Editorials on current matters of interest, and as often as possible by men of known ability on that particular subject. —

The arrangement of Current Scientific information will be arranged under specific headings, as — "Electricity", "Mechanics", "Chemistry", and not mixed up as in most Journals — Headings will also be given to foreign Countries, and when arranged, a weekly letter from resident correspondents there, will be given — "Germany", "France", "Italy", &c. Proceedings of Societies at home and abroad, Government surveys and expeditions. —

To give the Journal a hold on the general public, current social subjects connected with Science will be handled, such as Public health, Sanitary Science &c.

With such a programme an ample weekly budget of really interesting and valuable Scientific matter can be offered, it will fill a well recognized want, make it read at home and abroad and sold on every newsstand in the United States, indispensable to every man of intelligence, who would be posted on human progress.

No attempt will be made for pictorial effects, but necessary illustrations will be given.

A clear field.

It will clash with no other Journal, being the only one of its kind, being of a different order to the advertising sheets of Patent offices, Trade Journals, or papers devoted to some particular business. —

An advertising medium

It will command special patronage as an advertising medium, for Books, Scientific Instruments, Foreign manufacturers and for all goods used by the best classes of Society. —

The Editorship and Management

The Journal will be edited by Mr John Michels, a gentleman who for some years has been an accepted paid writer of Editorials for the New York Times, and many leading Journals, and for special paragraph matter, while his original contributions to Appleton's Popular Science Monthly, and the best Scientific Journals in the Country show him to be able to conduct this Journal strongly, and make it a success. — He has been several years preparing for such a Journal and has received letters of encouragement from leading Scientists, and promises of special help in particular branches of Science when needed. —

Financial arrangements

To give the Journal a sound financial basis the Capital Stock will be

\$12,000 —

120 Shares of \$100 each

It is suggested that five persons take Twenty shares, each, the balance of Twenty shares being given to the Editor —

The Five promoters will be the Council of Management, one of their number being Treasurer and controlling the finances. —

Mr. J. Ellishels will edit the Journal and he pay a reasonable sum for his services and conduct the business management until it may prove sufficiently to warrant a second person taking it — He undertakes the production of the paper in the most economical manner, and will do all the editorial work himself, with the exception of such assistance of clerk, as may be necessary. —

767 Broadway. New York

May - 6th 1880. —

Thos. A. Edison Esq.

Dear Sir, — I have to day seen Mr. Phinney in regard to the proposed. I received information that he is willing to cooperate in the matter and has said what I believe to be some valuable suggestions. I am not however personally acquainted with him, but he is a gentleman of large property and considerable influence. His mother was the mother of Ex-Governor Stewart, and he is a nephew of Lemuel Cushing — He has been associated with a number of names with John P. Gerretts, the owner of the New York Tribune, and other men of considerable reputation, and is a well known and respected man. I am sure that Mr. Phinney also thinks Mr. Edison's work would be of great service to the cause of the people, and he is willing to make it his duty to see that it is so. I am sure that Mr. Edison's work would be of great service to the cause of the people, and he is willing to make it his duty to see that it is so. I am sure that Mr. Edison's work would be of great service to the cause of the people, and he is willing to make it his duty to see that it is so.

Capital to do it; for instance any they will
your name to it would have a very wide
sale -

Mr. Phinney will arrange for half this
Capital, if you can arrange for the other
half. This would simplify the matter -
Perhaps you might ease with your own resources
and friends for this -

Mr. Phinney is deep. That with his capital,
and with himself, himself. Mr. Jewett (with
his reputation and experience) and myself, such
a strong team will make it a big and
profitable success -

Mr. Phinney fills the line of your
name and influence, and wishes to know
from you clearly, that it is to be considered
your own, as the capital is the capital will
insure its sale and profit -

If you consent to this, please state when
you can spare an hour to talk the matter
over with Mr. Jewett at his residence
on early next week -

Yours truly,
John M. Smith

767 Broadway. N. Y. Room 10-
May 7th. 1880. —

To

Thos. St. Edison Esq.
Menlo Park. —

Dear Sir;

I enclose a calculation for provisionary
Journal, same form in every respect as "Nature", the
paper being made to order to match — I have not allowed
the return of half space for cuts, and added \$18 a week
for sundries — This makes a total of \$200 a week —

If 4 pages only of advertisements are secured, and
1200 out of the 5000 sold at a trade price of seven
cents, this total cost will be covered, and when
the whole issue is sold \$270 a week over expenses.

The price of paper is now high and a reduction probable,
Lindemeyer has agreed to duplicate the "Nature" paper at
11 cents, which is cheap, as I was told I should not
get it under 12 cents. —

All my figures are based on contracts I can make,
when making terms I did not mention any name besides
my own —

I think on these terms a clear course of success
is before us, and the paper will soon enlarge, I feel

Estimated
for May 1880

able to make it a power, and the leading Scientific Journal in this Country, and the only one which will be read abroad — a new face will be put on the reports of Scientific meetings, (not before it is wanted) and the ring of corrupt Scientific men and their pretended scientific Journals will fall the force of "Science", in exposing their Chicanery and fraud. — My Editorial in the N.Y. Times on "Reform in Medical Education", caused the Johns Hopkins University to change their course of Medical Instruction, and I feel quite equal to any editorial work, which may be necessary. —

I send this thinking the figures may be useful to you while talking to your friend Tommons, and I will be at Minto Park on Monday. —

I would prefer not having outside capital, as others would have no control, and I feel very confident in giving you satisfaction, and with your strong support I shall care for us on all

Respectfully
John Michels

Cost of printing and preparing 5000 Copies of
"Science". same form as "Nature", paper and type
Calculating for 20 pages - 16 Reading and 4 ad^{ts}

Composition — 55c. per 1000 ems

8 pages Long primer

8 " Brevier

4 " Nonpareil (ad^{ts})

= 104.292 ems at 55c.

57.36

N.B. (Half space allowed for cuts, not allowed here)

Paper

6 1/4 Reams at 11 cents

55.00

Prep Work

1 Form of 16 pages 8.00

1 " " 4. " 6.50

14.50

\$ 131.86

Total Expenses &c
per week

Journal (see other page)	131. 86
Office Rent & heating (Park Row)	5. 00
Editor	30. 00
Copy Clerk. -	10. 00
Boy.	5
	<hr/>
	\$ 181. 86
Long Sundries	18. 14
	<hr/>
per week -	\$ 200. 00

Return

5000 Copies at 7 cents trade price	3.50. 00
4 pages of ads (three times 8) at 30¢	120. 00
	<hr/>
	\$ 470. 00
Cost	200. 00
	<hr/>
	\$ 270. 00

If 4 pages of ads. 120. 00
 1200 out of 5000 are sold)
 at 7 cents trade price) 84. 00
 It would cover cost - \$ 204. 00

767 Broadway. N.Y. Form 6
May 13th 1880. —

J.
Thos. A. Edison Esq
Menlo Park. —

Dear Sir,

I have arranged the general plan and put in skeleton form the Journal, which comes out very well, and will be different to anything else previously produced, I have matter to put up, and will do so as soon as I have collected the money you authorized me to draw, which I have asked my friend W. Wallack Pres. of ~~Stationers Board of Trade~~ to attempt to as I have no Bank. — When I have sufficient in funds to see how it looks I will come down and consult you.

I have written to several leading Scientists to day who previously offered to give their aid, and asked their cooperation in the several departments of Science for which they are eminent authorities, I also wrote to Prof. Spenser Baird as his predecessor the late Prof. Henry gave me his hearty cooperation, and they can give us early information of important Scientific news. —

I mention two subjects on Electricity on which explanations would be read with interest and

1. The claim of Parodi of Paris to convey electricity
in tubes, like gas and water, the tubes acting as
Leyden jars -

2. Seeing by electricity

Some account of the theory, what has been
done, and the prospects for the future. -

Respectfully
John Michels. -

National Bank of New-Jersey.

New-Branswick, May 15 1880

Dear Sir

We hold a
draft on you for \$100.
by J. Nichols

Please advise us
what to do with it

Yours

C. J. Hill
Per [Signature]

7th Avenue John Mitchell N. Y.
Room 10 May 24th 1880.

To
John A. Edison Esq.

Dear Sir,

I have been rather
troubled to find a printer who
had the old style type, who
would work on my terms, —
this type is used chiefly for
the best work, and some
who had it, asked 70 c. per
1000 ems — So day I
found a first class firm
with the type, and can ar-
range with them for 50 cents,
which is five cents less than
I named to you, they have
a heavy job on hand but

will be free after Thursday, in his power to further its
Propaganda of the Smith success". —
The Smithsonian has sent me a very kind note saying "it will give the Smithsonian Institute much pleasure to assist such a Journal as that which you propose to publish, in any possible way. We can furnish you from time to time news of scientific movements and progress in Washington and probably elsewhere". —
I have just got the names of 2923 Scientific men with their addresses in different States. This will be useful, and I hope to get other lists —
A friend has just given me an analysis of the water taken from the well used by H. K. Thurber, they

He also suggests the names of Dr. Elliott Cones of Washington, the use of it, and the Prof. Theodore Gill (Smithsonian Institute) & Prof. Ed. Morse —
Salern —

Prof. Gang of Princeton will also be glad to do anything of the Croton Water, he

analysis shows it to be poisonous, he furnishes also a monthly analysis

of the Croton Water, he

gives this without charge,
it is a troublesome job
and takes him two weeks.

If you have seen your
friend and made any
arrangement kindly
let me know. —

Yours Truly
John Sticks —

[illegible]

as low as 15 cents. I told him what
I was doing and Mr. Knolly said he
would be pleased to aid me in
any way. To help me he will
go through the foreign scientific
Journals and find what will
add to a page of matter in his
first 50, or rather of translation and
abridgement, just as we want it.
He is a perfect master of the
subject, familiar with all foreign
scientific literature, and I think
this would be very valuable. —
If you will send me by express
the most recent of the foreign
Journals and papers, I will
immediately get them and make a
strict of them in any way, agree
with the editor, make a watch
when making up the paper and look
any recent English and French

space. — I believe I had considered
trouble to secure a good printer,
whom it comes to actual business.
The best houses, who have been
type, I wanted, and proper facilities
were one and all extortionate in
their charges, either in one or the
other department, and to save further
trouble I had to be very cautious
whom I gave such work, requiring
promptness and accuracy with good
work. It is only to say I have
decided in a house, the Spectator
Company. — 16 Bay Street, and they
will start on it tomorrow, I have
made good terms, and will free
from any contract for three weeks
by week. —
I have also, as I have said, 22 9/13rd way
Corner of Market. I would
advise you strongly to secure

Providence I should have seen
these after the Carpenter Street
railroad was opened, but I was
not in the city at that time, like
the price is. There are two rooms
which are excellent, elevated, clean
and comfortable, and I will let
you see them. I may secure
them at a trifle less, it is close
to the station, and the surrounding
clean and respectable, and I
strongly advise you to secure them
very near the city at any time, so
of your affairs. Let me know the
morning of your departure, and I will
be there for the present, and will
see you.

Fitzgerald tells me that they were
sold to the city of New York, and that
when he left Appleton, which is a county
shows there are sufficient people
for our purposes.

767 Broadway N.Y.
Room 10. - June 2 1880.

To. Thos. A. Polism Esq

Dear Sir,

I obtained a reduction
of the rent of office from \$160.
to \$140. per annum, to include
heat, and janitor fees. - An
agreement to this effect will
be submitted by the Agent.

Yours Truly
John Nichols

JOHN JERLOMAN.

WM. ARROWSMITH.

JERLOMAN & ARROWSMITH,

ATTORNEYS AND COUNSELLORS AT LAW.

229 BROADWAY, (Room 52.)

New York, Jan 3rd 1882

Dear Sir:

Mr Jos. Michel, hired
the office at 53. Yesterday, I
desired me to make out the
lease in your name - & to en-
close same to you for your
signature.

Please sign one & return to
me & the other for my keep.

Yours
W. Arrowsmith

Hamilton Building,

229 Broadway, New York.

I John C. Hamilton

have let and rented, and do hereby let and rent unto

Thomas A. Edison. Room No 53.

in the *fifth* story of the HAMILTON BUILDING, in the said city, as an office

and for no other purpose, for a term of *June 1st 1880 to and May 1st 1881* at the yearly rent of *Two Hundred* to commence *Quarterly* *fourty Dollars* lawful money of the United States, payable in instalments *Monthly in advance of twenty Dollars per month*

The above letting is upon the following conditions, all and every of which the said lessee for *himself*

covenant and agree to and with the said lessor, his heirs, executors, administrators and assigns, to keep and perform:—

1st.—The above lessee shall pay to the above lessor, his heirs, executors, administrators, and assigns, or to his or their agent, the said specified rent, at the times and in the manner above provided, at the said office, and in case of the non-payment of the said rent, at the times and place above stated, or in case the said leased premises shall be deserted or vacated, the said lessor shall have the right to enter the same as *his* agent, either by force or otherwise, without being liable to any prosecution therefor, and to re-let the said premises as the agent of the said lessee and to receive the rent therefor, and to apply the same to the payment of the rent due by these presents, holding the lessee liable for the deficiency.

2d.—Said premises, nor any part thereof, shall not be assigned, let or underlet, or used, or permitted to be used, for any purpose other than above mentioned, without the written consent of the said lessor, or of his legal representatives first endorsed hereon, and if so assigned, let or underlet, used or permitted to be used without such written consent, the said lessor may re-enter and re-let the said premises, this lease, by such unauthorized act, becoming void—if the said lessor shall so determine—or if he shall not elect to void it, then from the time of such assignment or underletting, or such unauthorized change of use, the rent of said premises is to be double, said double rent to be paid as above, and stipulated with respect to the original rent hereby reserved, provided that such permitted continued possession shall not authorize any assignment or underletting of the said premises, or of any part thereof, without the written consent of the said lessor, or of his heirs, executors, administrators or assigns.

3d.—The said lessor shall have the right, personally or by his agent, to enter the said premises, at reasonable hours in the day, to examine the same, or to make such repairs and alterations as he shall deem necessary for the safety and preservation of the said building, and also to exhibit the said premises to lot, and to put up on them the usual notice "To Let."

4th.—Said lessee shall keep said leased premises in a good state of preservation and cleanliness, and for such purpose shall, during the continuance of this lease, employ the janitor of said building to take charge of and clean the same, ~~for which he shall pay the said janitor the sum of~~ *no charge for heating* ~~dollars per month, during said term; and in case of the failure of said lessee to employ or pay the said janitor as aforesaid, then the said monthly payment shall be added to and become a part of the rent of said premises, and shall be collected by said lessor as rent, on the days the same becomes payable by this agreement.~~ *or Janitor* ~~Said lessee shall quit and surrender said premises in as good condition as the reasonable use thereof will permit, and shall not make any alterations in, or do, or permit anything to be done in said premises which will in any way interfere with the rights of other tenants, or conflict with the laws relating to fires, or with the regulations of the Fire Department, or with any insurance policy upon said building or any part thereof, or in conflict with any of the rules and ordinances of the Board of Health; and will not inscribe, paint or affix any sign or notice on~~ *John C. Hamilton*

no charge for heating
or Janitor
John C. Hamilton
Per W. H. A. H.

any part of said "Hamilton Building" except of such color and size and in such places upon, or in said building, as shall be first designated by said lessor, and endorsed hereon. And further, that all the rules and regulations in regard to the said building printed on this instrument, and all the covenants herein contained shall during said term be in all things observed and performed by the said lessee, and by clerks, servants and agents; and a breach or failure to keep and perform any of said covenants and agreements, shall render this lease at the option of said lessor null and void from and after such breach or failure, and said lessee shall be liable for all loss and damages resulting from such breach.

5th.—In case, during the term hereby leased, the said building shall be so injured by fire, or by the elements, that the injury thereto cannot be repaired within sixty days from the happening of such injury, this lease shall be void; but if repairable within sixty days, the rent during said period, if the said leased premises are rendered thereby untenable, shall not ensue, and said lessee shall only be liable for the rent of said premises at the rate aforesaid to the time of such injury happening, and further, that said lessor shall not be liable for any injury that may result to the said building or premises hereby leased, or to the property of the lessee that may be therein, from the elements, or from accidents or defects in the Croton water pipes, gas pipes, or from any other cause. The gas used by said lessee to be paid for by the said lessee to the gas company supplying it, said lessee furnishing the gas fixtures.

6th.—Said lessor shall warm the hereby leased premises by a warming apparatus, from the twentieth day of October, in each year of this lease, to the tenth day of May following, during the term thereof, at the rate of one cent per cubic foot of the space therein, to be paid by said lessee to said lessor, annually, on the first day of _____ in each year of the term, and if not then paid to become part of the rent then due.

7th.—Said lessee shall give to the said lessor or to his agent prompt written notice of any accident to or defects in the water pipes, gas pipes, or warming apparatus, to be remedied by said lessor with due diligence.

In Witness Whereof, the said lessor and lessee have hereunto set their hands and seals this 3rd day of June 18 87
Sealed and delivered }
in presence of }

John C. Macmillan
Per M. Macmillan

Thomas A. Edison

RULES AND REGULATIONS OF THE HAMILTON BUILDING.

1. The entry, passage and stairways shall not be obstructed by either of the tenants, or used by them for any other purpose than for agree and lawful use and to their respective apartments.
2. The waste closets and other Croton water apparatus shall not be used for any purpose other than those for which they were constructed, and any damage resulting to them five minutes shall be borne by the tenant who shall cause it.
3. No tenant shall, nor shall his clerks or servants, disturb the other tenants by any unreasonably noise, or by any interference in any way.
4. Nothing shall be thrown by the tenants, their clerks or servants, out of the windows of the building.
5. No domestic animals shall be kept on or about the premises.

229 Broadway, N.Y. - Room 53

June 5th 1880. -

To

Thos. C. Edison Esq.
Minto Park, N.Y.

Dear Sir,

I moved to the above office to day, and with a few additions to what I have, will be complete for work - I propose opening to the Public the first number on the 1st of July, so as to give a clear six months volume to the end of the year - I will however get it out as soon as possible to send privately so as to secure exchanges, and subscriptions - Professor Stone of Cincinnati sent me a good article yesterday on uniform time for the United States, and I hope to get others for the first number, so as to make it as original as possible. - I will start some one round on Monday for advertisements, and make some calls myself where my personal influence will be useful. -

You were kind enough to act without asking me for a reference, but I thought it might be satisfactory to give them from those who have known me

Wm. James's
John Michels
to use

for many years, and had business transactions
with me for the same time. —

Mr Beardslee is a gentleman of property, and
member of the Board of Education, he is attorney
for a Mr Walter the inventor of Linoleum, who
placed a business matter in which he had ^{invested} ~~invested~~
\$4000 in my hands under full power of attorney,
as his attorney, Mr Beardslee can tell you how
I fulfilled my trust — Mr Willie Wallace
the gentleman who endorses the reference, is
the President of the Stationers Board of
Trade, and well known man of business of New
York. — I have this day drawn on you for
£250 — but I would suggest your opening
an account for me at some Bank, where they
will accept a small account, then all money
received can be paid in, and I can draw
simply day by day for what is necessary, and
pay cash for everything — In this case a
monthly statement being submitted, and the
accounts open for inspection all the time, will
I think make it satisfactory to you. —

Yours Truly
John Nichols —

[ENCLOSURE]

Sealed

Ny June 4. 80

Recommending John Michels

106 Broadway
New York, June 4. 1880

I am well acquainted
with Mr. John Michels and
have known him for several
years; during which time I
have had frequent opportunities
of observing his conduct and of
forming a proper estimate of his
character; and I take great pleasure
in saying that he is a gentleman
of marked ability and of undoubted
integrity and honor, and that the
utmost confidence can be placed
in his fidelity to any duty which he
may assume
(turn over) R. B. Beardslee

[ENCLOSURE]

I cheerfully endorse
the statement of the
Boardman not from
hearsay but from my
own personal experience
and observation.

Willy Hallack

N. H. Beckman

National Bank of New-Jersey,

New-Brunswick,

June 7, 1880

We hold a deposit
on your part for \$250.00
for interest.

Please advise
by return mail what
to do with it

Catillon

per Gaudin

T. A. EDISON,

Menlo Park, N. J.,

June 9th 1880.

Recd of Thomas A Edison
Three Hundred and fifty dollars
(\$350^{00/100}) on $\frac{1}{2}$ of expenses of
"Science" book expenses to be
hereafter verified by vouchers.

John Nichols,

Address all Communications,
P. O. Box 382,
New York.

"SCIENCE."

June 17th, 1880
John Nichol

No. 229 BROADWAY, (Room 53).

To
New York, June 19th, 1880
S. L. Griffin Esq.

Dear Sir,

I shall be ready to
print first number on Tuesday
morning as all my arrangements
are now complete and the matter
all in type - We shall I think
make a strong beginning, and
I would advise 10,000 to be
printed as I have 4,000 names
of Scientific Men in the office,
and the American News Company
have 5,000 of their customers who
they advise me to send a copy -

I will however have a first
edition of 5,000 - the postage of which

will be \$50, and the paper \$40-
I wish to buy a copy of Prof. ^(\$15) Munday and pay balance cash
bill about \$15. —

Mr Edison will leave the Journal
to hand on Wednesday morning and
he will then see what I have done. —

The \$50 advertisement I obtained
myself is the only one to start with
those I sent round, saying people
wanted to see the Journal before they
gave dollars —

I shall print on the inside cover
the names of the following Scientists
who have written to me offering
their cooperation, or good wishes for
success and general endorsement of
my plan —

If you can look in on
Thursday morning I would be
glad — I have \$100.00 cash
in hand, which I did not

Admrs all Correspondents,
P. O. Box 3528,
New York.

"SCIENCE."

No. 229 BROADWAY, (Room 53).

New York, 188

must to use for the purpose shown
named —

Professor Ed. S. Holden Naval Obs Washington

1. Mr. Hammond. N. Y. New York

" Spitz "

1. H. P. Bowditch Harvard

" Bentz Wilder Cornell

" J. J. Woodward Naval Obs Washington

" Judex Columbia N. Y.

" E. Morse. Rabaul, Isl of New Hebrides

" Abbe Washington

" J. Billings Nat Bond of Health Washington

" Elliott Coes Smithsonian Institution

" Thos. Baird do

" Sturges Observations Cincinnati

" Burroughs Chicago

" C. A. Young Princeton Cal

Prof. Marsh. Yale Col.

de re de

Considering it is not known that
the paper is about to be published
that unlike a fair endowment
to start with. —

Yours Truly
John Nichols

Address all Communications,
P. O. BOX 3838,
New York.

"SCIENCE."

No. 229 BROADWAY, (Room No. 53).

New York, June 26th, 1880

L. S. L. Griffin Esq

Dear Sir,

I herewith hand you full statement of account up to this day. — I have paid cash for everything and have vouchers for all items. It shows a balance in hand at this date of ~~\$33.00~~ — This includes all balances up to date also. —

The amounts still to be paid are as follows: 1. on this count, Printer's bill (\$30 paid in %), and \$20 to Professor Holder — There are \$59. due to Journal not collected. —

I am happy to say the first number is now ready for delivery, I have only shown it to one person a Professor from Yale, who was enthusiastic over it, and said "all the fellows will like it, when they return from vacation."

Although a first number I think it already compares favorably even with "Nature," which is

saying much - The contents is good, and
the form, paper, and type is all that can be
desired, and I consider it the best-suit
found on either side of the Atlantic and
when we begin with illustrations will be
ahead of any thing -

The Journal is now before you, and
I need not say how essential it is that
the Company should be formed at once,
my arrangements as you can imagine have
to be made many weeks ahead, and any
check now will tell in the future numbers -

You can see I am one of the slow and sure
kind in money matters and economy, but
of course proper working capital is necessary.

As I said my friend Mr. Howard is
ready with \$12,500, and he suggests a
similar amount being added -

You will notice by the Journal and those
who have promised to support me with
keen literary cooperation, that I have
struck very high ground, which lifts
it above the crowd of mediocrity productions,
to keep this up you will have to make my
position very definite - I think W.B. -

Address all Communications,
P. O. BOX 3639,
New York.

"SCIENCE."

No. 229 BROADWAY, (Room No. 53).

New York, _____ 188

Thumanns co-operation would be good, he is a very agreeable and nice man to do business with, and his cooperation would give a tone. If a Company is formed perhaps Mr Edison's name should not appear as a stockholder, as I could then if necessary assert such to be a fact.

The Journal should be advertised in the Herald and a few papers next week.

It is a very dull time to start as all the Colleges &c are closed, but in the fall when it will be taken up more, we will have to beg back numbers, and it will be a Journal for binding, and will sell also at the Bookellers in its bound form.

Please ask Mr Edison to write me what he thinks of it, let him put it side by side with Nature, and think what "Science" will be when it also reaches Vol. 22.

If you can call in on Monday or Tuesday I should be glad to see you.

I have my 4000 wrappers addressed
to Scientific Men, and will start them
off at once - The Naval Observatory have
ordered 50 Copies for their own use, which
will take 25% off Prof Holder's fee.

I shall be glad to know your opinion
of "Science", and I can assure you I have
had a fearful battle with the printers
to get it in my form in all its details. -
I think the various forms of type very
handsome, and the paper is as well
for sleep Harper for their Journal. -

Yours truly
John Michelson

Science
my friend
Michelson

1880

"Science"

Payments.

May.

Spectator Company	30	00
Journals	2	00
Peeble & Co. (Stationery)	5	70
Journals		80
Clerk (temporary)	2	00
Journals	1	20
Postage stamps	2	00

June

# Paid Cropley on a/c (Carpet)	15	00
Advertisement for clerk	2	25
Chair seat		60
Moving office furniture	3	00
Large clerks table	9	00
Pedestal writing table	15	00
Carpenter moving partition	1	00
Subsistence & sundries		76
Printer		8
Refilling table	4	
Postage stamps	1	
Stationery	9	24
Directory of Naturalists	1	00
Salary clerk. (Columbia)	10	00
Stationery	1	36
Chair mending.		50
P.O. Box (4 months)	5	00
Deposit on do. Key	1	00
Postage stamps	1	00
Express on Journals		25
Car over.	\$	124 74

1880

Mary
June 12
" 22

Receipts

Cash

100

250

100

\$450.00

Receipts

450

Payments

416.90Balance in hand June 26th \$331.00

Subscriptions have not been solicited as yet, a man employed on advertisements but the following orders have been received

Advertisement

\$ 50.00

50 Copies of Journal for

Naval Observatory Washington

5.00

1 Subscription 8. Hammer

4.00

Not collected. —

\$59.00

J. Michael
June 30

June 26th — First copy ready
for delivery this day. —

Index		Car ^o up.	124.74
14	Mending chair		50
15 th	J. Nichols	120	00
18	Stationery	4	00
	Journals		48
	Postal Cards		25
	Rubber Bands		25
	2 Office account books	1	00
	Salary Clerk (Columbia)	10	00
"	J. Nichols	30	00
	Balance to Cropley (Carpet)	16	30
22	Myers & Co. (Paper)	48	00
	Pens		10
	Copy Inep and stand-outfit	15	00
	Advertisement for boy		80
	Copyright fee	1	00
	Journals		41
	2 Rubber stamps & outfit	1	32
	Pens		25
26	Salary (Clerk)	10	00
	Boy	2	50
	J. Nichols	30	00
			<u>\$ 416.90</u>

Address all Communications,
P. O. Box 386,
New York.

"SCIENCE."

No. 229 BROADWAY, (Room 53).

New York, June 30th 1880

To
S. L. Griffin Esq.,
Mead Park -

Dear Sir,

Enclosed is the
printers bill. The items for
the job work you can judge
of - For the other, the rate of
55 cents per 1,000 is correct -

Much extra work was necessary
on the first number, and it is difficult
to check that charge. It cannot
again amount to anything like
that sum - With the \$30.
paid on ac. they have received
an account -

They ask for a settlement on
Friday -
Yours Res.
John Michael

P.S. I have to day seen the Editors
of Harbors Weekly, Frank Leslie's Weekly
Evening Post and Graphic, and
received work from all that favorable
notes with as given. —

The American Press Companies are
very slow in their movements —

Dr.

[ENCLOSURE]

14
21/2

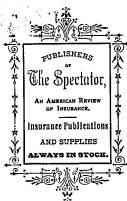
Composition 65,937 ems. @ 58 = 3626

28 hrs. time resetting

and correcting " 58 = 14 =

Presswork 8000 copies, 20th. 58 = 10 =

Binding 5000 copies @ 1.50 = 7.50
6776.



NEW YORK, *June 30* 188*8*

John H. Mearns

To The Spectator Company, Dr.

MERCANTILE PRINTERS

❖ No. 16 DEY STREET, ❖

J. C. GOODSSELL, MANAGER.

Near Western Union Building.

5000. Copies 16.14 Paper & "bind" 6776.

[ENCLOSURE]

John Michels New York, *June* 188*0*

PUBLISHERS
OF
The Spectator.
AN AMERICAN REVIEW OF
INSURANCE.
Insurance Publications
and
Supplies
ALWAYS IN STOCK.

To THE SPECTATOR COMPANY Pr.

The Spectator Press Printing Works.

FINE INSURANCE, BOOK, NEWS, MERCANTILE,
CARD AND FANCY PRINTING.

No. 16 DEY STREET.

J. C. GOODSELL, MANAGER.

1000 1/2 Letter Headings	275	
1000 1/2 Note "	275	
250 Salutatory circulars	2 =	
250 Prospectus "	2 =	
2000 Envelopes	2 =	
5000 Orders-Science-print	9 =	
Electrotyping and blocking 7777 Science	950	30 =
<i>Print Spectator Co. for Goodsell</i>		

This Memorandum of agreement entered into this day of June A.D. 1880 by and between Thomas A. Edison of Menlo Park Middlesex County State of New Jersey party of the first part and John Michels of the City, County and State of New York party of the second part Witnesseth, Whereas the said Michels believes that a Journal devoted to Science only to be called "Science" will be a commercial success and believing that he has sufficient experience and ability to edit and conduct such a Journal and make it a commercial success and the said Michels being willing to give his time and talents to the editing conducting and exploiting such a Journal for a consideration hereinafter mentioned and the said Michels being desirous of obtaining the financial assistance of some other party to aid him in carrying out the above mentioned project and Whereas the said Edison is desirous of furnishing all the necessary funds to maintain the publication of such a paper for a period of one year from date or as much longer as he may desire

for which sum he is to be the sole owner of all the rights titles and franchises whatsoever of such paper its good-will and all the emoluments pertaining thereto and the said Edison desirous of having the assistance and services of the said Michels as Editor and publisher for one year from date hereof, he the said Michels to perform all the labor of every kind and character necessary to the exploitation of such an enterprise for which the said Edison in addition to the other expenses of conducting the Journal is to pay the said Michels the sum of Thirty dollars (\$30.00) per week for fifty two (52) weeks from date or longer as he may desire and the said Edison will allow and pay for one assistant to help the said Michels at a salary not exceeding fifteen dollars (\$15.00) per week - That if during the year the said Michels shall have succeeded in causing such enterprise to be placed on a paying basis and returned to the said Edison all the monies expended over and above the receipts then he shall be entitled to and the said Edison shall convey to him two undivided tenth parts in all the net receipts from the said paper over and above

his salary. The said Michels agrees to conduct such Journal as economically as possible to contract no debts whatsoever in the name of the paper or in the name of the said Edison without the consent in writing of the said Edison and that he will keep an accurate and true account of all receipts and expenditures with vouchers in all cases for the same and for the said Edison

Witness my hand
this 11th day of
March 1888
J. H. Michels

Address all Communications,
P. O. BOX 3838,
New York.

"SCIENCE."

No. 229 BROADWAY, (Room No. 53).

New York, July 7th 1880

To.

S. S. Griffin Esq;
Central Park.

Dear Sir,

Please receive statement of
account for the week ending July 3rd 1880.
showing balance of \$53.45 in your favor.
If you send me a cheque for \$125. by
Saturday next, I can clear up the two
months rent to July 31, and all expenses
for Journal and office for the week -

Yours Truly
John Mitchell

P.S. Can you send me Scientific
Journals received since those last sent
H.

"SCIENCE."

No. 229 BROADWAY, N.Y. (Phone No. 53.)

Statement of Account for the week ending
 1880 July 31st. 1880. —

June

Payments.

28	Expenses of clerk attending Yale College celebration with Journal —	}	4	10
"	Postage of Journal			12
"	Postage stamps		2	
	Cards		2	65
	Journals			41
July 2	Advertisement of Journal	Sum	2	
"	"	Tribune	1	20
"	"	Times	1	50
"	"	Herald	1	35
"	" for canvasser)	"	1	65
J. Michels			30	00
Clerk Salary			10	
Boy			2	50
Palutec			67	76
Postage of Journals. &c			3	01

\$130 25

Received.

Balance from last week	33	10
June 30 th Cash	150	00
Receipts for Journal		60
	183	70
Balance in hand July 31 st	53	45

Address all Communications,
P. O. Box 3838,
New York.

"SCIENCE."

No. 229 BROADWAY, (Room 53).

July 16 - 1880
J. Nichols

New York, July 16th 1880

To S. L. Griffin Esq.,
Windsor Park.

Dear Sir,

I enclose weekly statement for last week, please send me a cheque for £100 for this week which will cover and leave balance to go on with -

For the extra 5000. please send separate cheque of \$48.^{to be paid} payable to order of Messrs B & O. Myers and \$50. to order of American News Co. The small amount for printing can stand until it is done the two above mentioned have to be paid in advance -

Yours Truly
J. Nichols

P.S. There is now hurry for the
second amounts until you call,
as I shall make an effort to
get advertisements during next
week for this 2nd Edition. I
shall send a man round and
try anyhow, they should cover
expenses. ~~Y~~

Account for the week ending
July 10th 1880.

Payments

Inkstand	40
Postal cards	1 00
Paper for Journal	9 60
Contribution on subscription	75
Postage stamps	2 00
Miscelane	25
Clerk Salary	10 00
Bay	2 50
J. Michaels	30 00
Foreign P. Cards	30
Rent of Office part of June & to July 31	35 00
Printer	41 52
do for News dealers circulars 5000.	5 00
	<u>\$141 32</u>

Receipts

Balance from last week	53 45
Cheque from S. L. Griffin &	125 00
Office receipts	9 20
	<u>\$187 65</u>

Receipts \$ 187. 65

Payments \$ 141. 32

Balance car. forward \$ 46. 33

Address all Communications,
P. O. Box 3835,
New York.

"SCIENCE."

July 22 - 1886
John Nichols

No. 229 BROADWAY, (Room 53).

New York, July 22nd 1886

S.
S. L. Griffin Esq
Melrose Park.

P.D. dear Sir,

I am having a cover
drawn to make a Monthly part of
Science; and will send you the
sketch when I receive it. In the
mean time I would like you to
ask Mr Edison to give us his
idea of a cover, just a rough
sketch. I want something
picturesque and really attractive
giving the idea that all
sciences are treated.

We had four new subscribers
by Mail this morning and
several applications for

sample copies, and I am felt
very sure of doing well when
this wretched dull time has
passed, when with some good
house carpenters and a
little judicious advertising
they will soon. —

It seems to give universal
satisfaction even now, and I
hope to improve all the time.

I enclose a copy of a few
letters I have received within
the last few days.

Yours truly
John Nichols

Address all Communications,
P.O. Box 3736,
New York.

"SCIENCE."

No. 229 BROADWAY, (Room 53).

New York, July 22nd 1880

To S. L. Griffin Esq
Mills Park.

Dear Sir,

I herewith enclose
statement for last week, leaving
a Balance of \$39.25.

Please send me a check
for \$100 by Saturday next.

Yours truly
John Nichols.

Statement of account for the
Week ending July 17th 1880. —

Payments

Printer	37	78
do for forms, &c.	12	25
3 Arm office chairs	6	00
Wood engraving	1	50
Stationery	2	20
Postage	2	00
Stationery		75
Invoice Book	1	75
Paper for Journal	9	60
envelope		25
J. Michels	30	00
Salary clerk	10	00
Boy	2	50
Postage	1	40
Advertiser Herald (July 28)	3	70
	<u>\$</u>	<u>121 68</u>

Receipts

Cash from S. L. Griffin	100	00
Office receipts	14	60
Balance from last week	46	33
	<u>\$</u>	<u>160 93</u>

Receipts \$ 160.93

Payments \$ 121.68

Balance carried forward \$39.25

Address all Communications,
P. O. BOX 3838,
New York.

"SCIENCE."

No. 229 BROADWAY, (Room No. 53).

New York, Aug 6th 1880

To

S. L. Griffin Esq.

Dear Sir,

I enclose statements for last two weeks, and regret the former one was not forwarded before, but was considerably pressed. —

I hope you liked the last number, I am told Dr Leidy's book cost \$4,000 to produce, and as it cannot be purchased except "sub rosa" and hundreds are after it, our reproduction should be appreciated and I would like to advertise it a little. —

I see "Nature" gives Science a notice, and quotes what the "Nation" said, who is a little sore as we have secured some of their best writers, however, it concludes by saying that "Science" pointed to a real want, and was entitled to a friendly welcome.

"Nature" says: "we wish our contemporary every week and trust it may be the means of spreading a wide interest in Science on the other side of the water." —

Your nice notice of the accounts that a cheque for \$133.37. is due for last week to

balance, and as the two items for Inuit are not yet paid. I would be pleased to have a cheque in receipt of this, as I should have sent my account before. The bill for all the electro's have your notice come in -

I am having the cover engraved and expect it to arrive, it will cost \$20. which is very moderate, and hope he will turn out a good job. a first class man would have charged \$50. but I thought for a cover, a cheaper man would do.

If you can add a cheque for \$100 for this current week I shall be obliged. -

Yours Truly
John Michels -

Statement of account for the week
ending July 24th 1880. —

Expenses.

	\$	c
Stamps	2	25
Paper for Journal	9	60
Journals purchased	1	44
Paid Dr Glaser for translations	2	00
Salary clerk	10	00
Box	2	50
J. Michels	30	00
Advertisement Herald	2	65
Printer's Bill	42	01
Bulk rate postage	3	18
	<u>\$105</u>	<u>63</u>

Receipts

Balance from last week	39	25
From S. L. Griffin	100	00
Office receipts	10	40
	<u>\$149</u>	<u>65</u>

Receipts 149. 65
 Payments 105 63
\$44. 02

Statement of account for the week
ending July 31st. 1880. —

Expenses.

	\$	c
Stamps	2	04
Fixing up range of shelving-	15	00
Wood engraver (Voyt)	13	30
Photolithographer (Amer. L.C.)	10	00
Bulk rate postage	1	15
Library of Cong. prep.	1	50
Paper for Journal	9	60
Artist drawing Rhizophora	6	00
Painters Bill	42	19
33 Electors of Pages of Science	43	45
Clerks Salary	10	00
Buy	2	50
Michels	30	00
Sold at N. Y. Herald	3	70
	\$	<u>190 43</u>

Receipts

Balance from last week	44	02
Office receipts	13	04
	\$	<u>57 06</u>

Expenses 190. 43
Receipts 57. 06
Cheque to balance \$ 133. 37

"SCIENCE."

Address of Correspondence,
P. O. Box 3934,
New York.

No. 229 BROADWAY, (Room 53).

New York, August 6th 1880

Dear Sir,

I have mailed to you
to day. the statements for the last
two weeks - It shows that a cheque
for \$133.37. is necessary to balance
account of last week - The two
immense items are \$42.19 for Printer
and \$43.45 for 33 electors of
the pages of Journal the bill for
all of which came in. -

I would like to pay these
tomorrow, as the Printer has
sent me word he wishes it. - So
if you can send me the above
cheque tomorrow I will be obliged
For the current week I have
asked you to send me \$100.

John Nichols
August 6/80

I have written fully to you at
Minto Park, but thought you
would not receive it in time
to communicate with me tomorrow.

Three books are arrived from
London for review, one a handsome
book on practical chemistry I have
sent to you for Mr. Edison, as
perhaps he may find it useful.
My Monthly even I expect
will be ready tomorrow, and
will send you a proof of it.
The cutting came to \$20. —

Yours truly
John Nichols

Address all Communications,
P. O. Box 3838,
New York.

"SCIENCE."

No. 229 BROADWAY, (Room 53).

New York, Aug. 10th 1880

J. S. L. Griffin Esq
Minto Park.

Dear Sir,

Thanks for the cheque
for \$233³⁷/₁₀₀ which came safe to
hand, \$133³⁷/₁₀₀ was acknowledged
in 7c for July 31st and \$100 will
be credited in full for Aug 7th —

Yours truly
John Nichols

Address all Communications,
P. O. Box 3639,
New York.

"SCIENCE."

No. 229 BROADWAY, (Room No. 53).

New York, August 14th 1880.

My 16.50
to Mr. Nichols
no 229
P. O. Box 3639
New York

S. L. Griffin Esq.
Munk Tark.

Dear Sir,

I enclose statement for last week, showing balance of \$10.64 of disbursements over receipts which I have carried forward. —

I have taken \$7.4 office receipts this week, \$13 of which was in the shape of a very handsome filter and Cooler combined (See Jenette's adv* in Science). It quite a handsome ornament standing three feet high, we cannot drink our water as supplied, and want it bad enough, but it is more suited for a large family — If the water does not require filtration at Munk Tark, I would advise you to have it at your house at Newark, from what Dr. Harold states about the Newark water — He called yesterday and stated he had just found 13 grains of Chlorine per gallon in a sample from a well. — If Mr. Edison can use it, he would find it a handsome piece of furniture. I was very glad to receive the Physical notes from Mr. Moses, and will make good use of them.

and some have been anticipated in to-days issue, but the remainder will appear in next number.

I send you the five numbers for July in Monthly cover, and hope Mr Edison will like it, it has been so far admired by all who have seen it, I solicited the artist to design something representing all the Sciences but I thought what he produced so attractive that I kept to it — I have a man on commission trying to fill cover with adv^s and shall know in a few days what he does — As to the general advertising for the weekly he has good encouragement to get all he wants, but no one will give orders now, and I shall be glad when August has passed —

The sample of cover is only a proof, the name of Smithsonian has been placed over his bust, the crops from windows of Smithsonian Institution removed, and other changes, top and bottom will be placed the usual printed matter — Mr Edison once admired a pink cover on a French paper, so I have sent the sample in that color —

Please send me \$100 for this week. —

Yours truly
John Nichols

Statement of account for week
ending — August 7th. 1880. —

Disbursements. —

Miss Cogswell (Copper Union) Wood engraving	6 00
Stamps — (postage)	1 00
Artist designing & drawing in wood "Cover"	10 00
Librarian of Congress	50
Advertisement Herald (Aug 8 th)	2 40
do Tribune "	1 80
Paper for Journal	9 60
Bulk rate postage &c	94
Clerk Salary	10 00
Boy	2 50
J. Michels.	30 00
Stationery	36
Printer	42 24
	<u>\$ 117 34</u>

Receipts

* Cheque from S. L. Griffin	100 00
Office receipts	6 70
	<u>\$ 106 70</u>

Disbursements 117.34
Receipts 106.70
\$ 10.64

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

THIS COMPANY TRANSMITS AND DELIVERS MESSAGES only on conditions, limiting its liability, which are set forth in the following regulations. Messages can be transmitted only by the company, and the company will not be held liable for errors or delay in transmission or delivery of telegraphed messages. This message is an UNREPEATED MESSAGE and is delivered by request of the sender, under the following conditions.

A. H. BREWER, Secy.

NORVIN GREEN, President.

Dated New York Aug 20 1880

Received at Minlo Park

To Mr. Casman

READ THE NOTICE AT THE TOP.

Extra light statement
deposited - I took one
hundred for Michels
Huffman
to find

Address all Communications,
P. O. BOX 3838,
New York.

"SCIENCE."

No. 229 BROADWAY, (Room No. 53).

New York, Aug. 24th 1880

To
S. L. Griffin Esq.
Merulo Park -

Dear Sir,

I am just starting for Boston
to attend meeting for the Assoc. of Sciences,
and have been pressed too much already to
copy account - I intended to send, and send
it on my return - The total of next a/c
to be forwarded is

Received \$ 174.00

Exp. 142.74

Balance. 31.26

I have left word for my agent Mr Thomas
B. Columbus to make certain payment which
amount to \$125. will you kindly send him
a cheque payable to his order. —

Yours truly
John Nichols

"SCIENCE."

Address all Communications,
P. O. Box 9198,
New York.

No. 229 BROADWAY, (Room 53).

New York, Aug. 25th 1880.

S. L. Griffin Esq.

Dear Sir:

Your note with
check enclosed received this morn-
ing - I have just sent a letter to
Mr. Nichols, in Boston, with your
request for a detailed statement, so
that I shall be able to report as soon
as I hear from him.

Very Respectfully,

Wm. B. Columbia

"SCIENCE."

Address all Communications,
P. O. Box 3838,
New York.

No. 229 BROADWAY, (Room 53).

New York, Sept 1st 1880

To S. L. Griffin Esq

Dear Sir,

I enclose statement of account for last three weeks, you will see I made no call upon you the week before last, which has perhaps made the two later weeks open heaven, There is a balance of \$57. over last week, I have now to meet, and with Mr. May's would like you to send me a check for \$200. as I shall have several cuts to make for the Bell inventions (Photophonic) and a few other things I want to do —

Yours truly John Nichols

The week ending August 14th 1880.

Payments.

Postage stamps	1	
Commission to Agents		75
Freight		82
Paper for Journal	9	60
Wood engraver (Vast)	21	75
Clerk Salary	10	00
Boy	2	50
J. Michels	30	00
Filter (paid payment of advertising %)	13	00
Book rates postage		69
Printer	39	99
Electrotype	2	00
Balance from last week	10	64
	<u>\$142</u>	<u>74</u>

Receipts:

Cheque for advertisement	50	00
Subscriptions	24	00
Cheque from S. L. Griffin	100	00
	<u>\$174</u>	<u>00</u>

Received \$174.00

Paid 142.74

\$31.26

Week ending August 21st 1880.

Payments

Paper for Journal	9 60
Advertising agent on %c.	5 00
Bulk rate postage &c.	60
J. Michels	30 00
Printer	38 90
Clerk	10 00
Boy	2 50
	<u>\$ 96 60</u>

Receipts

Balance from last week	31 26
Office receipts	4 32
	<u>\$ 35 58</u>

Payments 96.60
 Receipts 35.58
\$ 61.02

Week ending August 28th 1880. —

Payments

Cashiers for chairs	1	00
Printer	39	14
Library of Congress	1	
Hampshire		50
Paper for Journal	9	60
Rent of office	20	00
Cupboard	14	50
Salary clerk	10	00
Boy	2	50
Bulk rate postage		99
J. Michels	30	00
Balance from last week	61	02
	\$	<u>190 25</u>

Receipts

Cheque	\$	125 00
Office receipts		13 75
	\$	<u>138 75</u>

Payments 190.25

Receipts 138.75

\$ 51.50

Address all Communications,
P. O. Box 3838,
New York.

"SCIENCE."

No. 229 BROADWAY, (Room 53).

New York, Sept 9th 1880

To S. L. Griffin Esq

Dear Sir,

Please let me
have \$125 on Saturday,
I shall have a double
number out. -

Yours Truly
John Nichols.

Address all Communications,
P. O. Box 3838,
New York.

"SCIENCE."

No. 229 BROADWAY, (Room 53).

New York, Sept 15th 1880

To S. L. Griffin Esq

Dear Sir,

I have to thank
you for your letter and
enclosure (\$125) which
came safely to hand -

Yours Truly
John Nichols.

Address all Communications,
P. O. Box 3835,
New York.

"SCIENCE."

No. 229 BROADWAY, (Room 53).

New York, Sept 15th 1880

To S. L. Griffin Esq

Dear Sir,

I enclose weekly statement. I have put into account one of the two checks you gave me in July for \$48, the other for \$50. I hold still in hand—

\$58 dollars for the electro plates came heavy for this week, besides the ordinary expenses.

If you can think of any other things I would be obliged.

Yours truly
John Nichols

Statement for the week ending
Sept 4th 1880.

Expenses.

Library of Congress	50
Paper for wrappers	2 05
Printer for 11 Electros	13 75
" " 36 "	45 00
" " Printing cover	2 00
Clerk's Salary	10 00
Boy	2 50
Expenses at Boston	17 00
Printing circular at Boston	1 25
Stationery	1 00
Postage	3 00
Printer's Bill for "Science" No 10.	43 47
Paper for Journal	9 60
Balance from last week	51 50
	<u>232 62</u>

Received

Sale	35
Check from Mr. J. L. Griffin	200 00
do do do (dated July 29)	48 00
	<u>248 35</u>

Received \$ 248. 35

Expenses \$ 232 62

\$ 15. 73

"SCIENCE."

Address all Communications,
P. O. Box 2837,
New York.

No. 229 BROADWAY, (Room 53).

New York, Sept 18th 1880

S.
S. L. Griffin Esq.
Meads Park. N. J.

Dear Sir,

I enclose a/c for last week, showing balance of \$135.33 to perfect account, which please remit — I may remind you that this was a double number at Mr Edison's request, the printer's bill and paper is proportionately enlarged. I had half a ream of paper over, so I got another ream and have printed 750 extra copies of the double number, as I am sending them round with circulars to members of Amer. Ass. for the Adv. of Sciences, and to others —

Scanned

Sept 18. 82

My dear Sir
Yours truly
John Mitchell

Statement of $\frac{1}{2}$ week ending
September 11th. 1880. —

	\$	c.
<u>Expenses.</u>		
Copswell (drawing)	3	50
Postage	1	51
Clerk's Salary	10	00
Boy	2	00
J. Allichs	30	00
Petty Cash & Bulk rate postage		85
Library of Congress —		50
Paper for Journal (double quantity)	19	20
do 1 Ream to print extra copies	9	60
Advertisement. (Herald Sept 12)	2	20
do (Tribune ")	1	50
Voyt. — Engraver	8	00
Printers Bill (double number)	70	47
	\$	159 33
<u>Receipts</u>		
Office receipts	8	30
Bk from last week	15	73
Cheque to balance	135	30
	\$	159 33

Address all Communications,
P. O. Box 9515
-NEW YORK-

"SCIENCE."

No. 229 BROADWAY, (Room 53).

New York, Sept. 22nd 1880

S.

S. J. Griffin Esq.
New York.

Dear Sir,

Enclose ofc
for last week. the cheque
to balance which will be
\$118.49. - perhaps you
can add 11¢ to the cheque
due for the week previous & then
give forward.

Yours truly

John Burleigh

Statement for week ending
September 18th. 1880.

	\$	c
<u>Expenditure.</u>		
Stamps	2	00
Paper for Journal	9	60
Clerk Salary	10	00
Boy	2	00
J. Nichols	30	00
Voyt. (Engraver)	4	85
Stationery		18
Commissions to Agent		35
Paper for circular	2	04
Bulk rate postage & bells card		97
Printers Bill	47	50
Rent for September	20	00
	\$	129 49

<u>Receipts</u>		
Office receipts		11
Cheque to balance	118	49
	129	49

to be sent.

Address all Communications,
P. O. Box 3858,
New York.

"SCIENCE."

No. 229 BROADWAY, (Room 53).

New York, Sept. 27th 1880

L. S. L. Griffin Esq.
Clements Park.

Dear Sir,

I have to thank you
for your cheque for \$135 I have
this day. I will in future dupli-
cate Mr Edison's early copy. -

I have always sent him six copies
following the first early one, and
25 to you for general use. -

Yours Truly
John Mitchell

"SCIENCE."

Address all Communications,
P. O. Box 3528,
New York.

No. 226 BROADWAY, (Room 53).

New York, Oct. 1st 1880

To

S. L. Griffin Esq.
Clemens Park -

Dear Sir,

I enclose last weeks
account with balance of \$100.37.
if convenient I would be glad to
have it tomorrow with the balance
from the week before \$118.49. -

Yours Truly
John Nichols. -

100 37
118 49
\$ 218.86

Statement for week ending September 25th
1880. —

Payments—

Postage	2 00
W. Colt adv ^t agent on afc	7 00
Paper for Journal	9 60
Salery	10 00
J. Michels	30 00
Printers Bill	46 60
	<u>\$ 105 20</u>

Receipts

From office	4 83
L-B. balance	100 37
	<u>\$ 105 20</u>

Address all Communications,
P. O. Box 3898,
New York.

"SCIENCE."

No. 229 BROADWAY, (Room 53).

New York, Oct 5th 1880

J. S. L. Griffin Esq
Ellis Park. N. Y.

Dear Sir,

I was out when your
messenger arrived so now acknowledge
the receipt of cheque of \$218.86
being the balance of two weeks
ending September 18th and 25th
respectively, as per accounts
rendered.

I remain Dear Sir

Yours Truly
John Nichols

Address all Communications,
P. O. Box 3528,
New York.

"SCIENCE."

No. 229 BROADWAY, (Room 53).

Oct 6-1880

W. J. Mitchell

New York, Oct 6th 1880

L. P. L. Griffin Esq.

Dear Sir,

I enclose a reply
to Mr. Edison's letter, and
hope it will be satisfactory to him.
I like to be sharply criticised by
him, as it is of course candid
and I naturally set great value
on his opinion, but I cannot but
think he has taken rather an
extreme view of speaking of the
publication of a paper read before
the British Association as a
disgrace. They have to be sub-
mitted to every man the
head of the section, and therefore

have at least received some
recognition however erroneous the
views may be, and I feel the
responsibility does not rest on the
Journal, which is even open to
criticism. —

I need not tell you that to
run a weekly with one operator
and do the editorial and business
work, is very close work, and
I have to leave much for work
of time many things I think
essential.

Yours Truly
John Nichols.

[ENCLOSURE]

Address all Communications,
P. O. Box 3738,
New York.

"SCIENCE."

No. 229 BROADWAY, (Room 53).

Oct 6-1880
J. Mitchell

New York, Oct 6th 1880

To J. A. Edison Esq
Menlo Park N.J.

Dear Sir,

I was certainly not aware of the reputation you accord to Weissandanger. I treated it as paper read before the British Association at its last meeting, and republished by the English Journals, and as such with reproductions. In such a case I do not see how the Journal is answerable for his views, and it is open for any reader to expose his errors in a future number.

Just now the Journal is well

advised on all subjects except
 Physics, the chief assistant of
 Professor Barker called about
 three weeks ago and offered to
 help me in any way, but Mr
 Moses having kindly undertaken
 that department, and was then
 sending valuable matter. I
 declined his help. — Since then
 Mr Moses has suddenly stop^d
 his communications, and not
 having answered a polite letter
 of mine to him, expressing my
 regret and trusting he would
 continue his contributions which
 I considered of great use to the
 Journal, I naturally thought
 he had no time to attend to the
 matter, or was tiffed on some
 point. — I was submitting all
 new papers on Physics to him,
 and should have done ~~this~~

[ENCLOSURE]

3

"SCIENCE."

Address of Correspondence,
P. O. Box 3526,
New York.

No. 229 BROADWAY, (Room 53).

New York, 188

so with Wiesendangers. — I would like to know if Mr. Moses is still advising the Journal on these points, and will forward papers on Physics to him as before if such is the case.

The Journal appears to give satisfaction to the Public, as I am receiving very satisfactory letters from prospective contributors, and am adding to the permanent annual subscribers and making up a good list, so far this week five have been added —

I am about to get a man to attend to the pushing the

circulation, but the difficulty of obtaining the right sort of man without paying a heavy salary is very great. I am however about to send out a shower of sample copies. —

The "Popular Science Monthly" published Bell's paper without drawings, three weeks after ours, — and the American Journal of Science is equally late: and has in the last issue published a part of edgoppy's address. full in full in Science Sept 12. — They will complete it in November. — If Mr. Moses is still with you and can send by return a criticism on Mesendrop's paper it will be in time for this week. —

Yours Truly
John Nichols. —

"SCIENCE."

Address all Communications,
P. O. Box 3838,
New York.

No. 229 BROADWAY, (Room 53).

New York, Oct 9th 1880

To S. L. Griffin Esq
Meads Park. N. Y.

Dear Sir,

I enclose statements for two last weeks which clears all up to this date — The electric motor one a/c heavier than it would have been, being electrolysis for 5 weeks —

Last week 196.85

This week 89.21

\$286.06

Yours Truly
John Michels.

Statement of account for the
week ending 2nd October 1880.

<u>Payments.</u>		\$	c
Printer for job work		21	50
" Bill for Journal		45	26
Paper for Journal		9	60
Clerks Salary		10	00
Boy half week		1	50
J. Michels		30	00
43 Electros for N ^o 11. 12. 13.		53	75
24 do for " 9. 10. -		30	00
Bulk rate Postage & petty Cash		3	70
		\$ 205 31	

<u>Receipts</u>		\$	c
Office receipts		8	40
Cash to Balance		196	85
		\$ 205 31	

Statement for the week ending
October 9th. 1880. —

	\$	c
<u>Payments.</u>		
Paper for circulars	2	80
Help in office		70
Stationery	1	—
Cost advertising agent on a/c	2	40
Monachetti on % of commission on ad t	2	00
Paper for Journal	9	60
Clerk	10	00
Buy	2	50
J. Michels	30	00
Yost (Envelope)	1	50
Printer's Bill	46	31
Stamps		50
Library of Congress 4 weeks	2	00
Bulk rate and Petty Cash	1	84
Yost (Envelope)	7	75
	\$120	90

<u>Receipts.</u>		
Office Receipts	51	69.
Cash to Balance	69	21.
	\$120	90

Address all Communications,
P. O. BOX 3898,
New York.

"SCIENCE."

No. 229 BROADWAY, (Room No. 53).

New York, Oct 13th 1880

To S. L. Griffin Esq
New York.

Dear Sir,

Professor Baird of the Smithsonian Institution was in New York yesterday and I conferred with him about "Science" being used by the Institution as their weekly report - He is very much in favor of such a course which would be so valuable to us, and said that even an abstract would cover to a 5 pages every week. he said they were waiting to test the stability of the Journal - On this point I gave him assuring information, and he said it only remained to find means for having it prepared - He finally directed me to make a written application in 10 days, when he will have returned, and he will consult with his chief clerk, and endeavor to come to some arrangement -

Mr. LeDuc also said he would do the same with the Agricultural Dept of some

one could call every week, and collect the information and remind them. —

I would like after 10 days and my letter to Prof. Baur has been sent, to follow up my application by a personal visit to the Smithsonian and other departments at Washington so as to get if possible weekly statements, and it occurred to me that perhaps Mr. Edison could obtain a free return pass on the Railway, if so I would go - will you kindly ask him if he has interest to arrange this. —

Yours truly
John Michels

Ms. A. 13. 50
John Michels
advised

Address all Communications,
P. O. Box 3893,
New York.

"SCIENCE."

No. 229 BROADWAY, (Room 23).

New York, Oct 19th 1880

To S. L. Griffin Esq.
Ment Park. N. J.

Dear Sir,

I enclose last week's account with balance of \$ 101.39. and you would oblige me very much by adding same to accounts already forwarded, and if convenient to Mr Edison sending me a cheque, as I have been troubled by printer's bills.

I suppose you noticed Appleton began taking a page advertisement last week. I understood he will come in once a month. The Spectator says Harper will commence on Saturday next with a page ad.

Remain. Dear Sir,
Yours Truly
John Nichols.

P.S.

I have some of "Crosby's"
Hydrographic Pens on sale as
advertisements some at
\$3. and others at \$4. — If you
or any one of Messrs. Park have
any use for them I will send
them. —

Statement of account for the week
ending October 16th. 1880.

	\$	c
<u>Payments.</u> —		
Postage stamps	2	50
Paper for wrappers	2	38
Postage stamps		75
Colt advertising agent on a/c	4	
Postal cards domestic & foreign		80
J. Ellichols	50	00
Clerks Salary	10	00
Boy	2	50
Monchine on a/c of advertisements comp'd	5	00
Yost engraver	5	25
Bird rate & petty cash	2	96
Paper for Journal	9	60
Box of pens		75
Appleton 3 months advertising	25	00
Printers Bill —	45	40
	\$	146 89

<u>Receipts.</u>		
Subscriptions & sales	25	50
Advertisements —	20	00
Cheque to Balance	101	39
	\$	146 89

Address of Communications,
P. O. BOX 3836,
New York.

"SCIENCE."

No. 229 BROADWAY, (Room No. 53).

New York, October 28th 1880

S

S. L. Griffin Esq
Manh. Park. N.Y.

Dear Sir,

I enclose the account for last week which appears heavier than usual as it has printed bills for two weeks, and bills for circulars and forms we are now sending out to all addresses we can obtain...

If you can send me a cheque by Saturday I would be obliged, as on Saturday morning I shall be called upon to clear up several accounts included.

Yours Truly
John Nichols

Statement of accounts for the week
ending October 23rd. 1880.

<u>Payments.</u>		\$	c.
Monache's balanc cum ^o & ad ^t		4	67
Stationery &c			68
Postal Cards			50
Vest engraver		12	00
Painter's Bill (last week) No 16.		45	40
ditto ditto. This week No 17.		53	40
Reimb for terms of ad ^t 's cards		2	00
Advertising circular & paper		7	50
1000 Push forms		2	00
1000 Circulars		2	50
Mail last printed		13	50
(Electro (Berg)			80
1000 Circulars.		2	50
J. Michels		30	00
Clerks Salary		60	00
Boy		2	50
Paper for Journal		9	60
Postage			59
Extra keep address &c		5	00
		\$	205 14

<u>Payments.</u>			
Office Receipts-		19	85
Cheque to Balance		185	29
		\$	205 14

Address all Communications,
P. O. BOX 3838,
New York.

"SCIENCE."

No. 229 BROADWAY, (Room No. 53).

New York, Nov 14th 1880

S.

S. L. Griffin Esq,
Mentlo Park. N.J.

Dear Sir,

I enclose my weekly accounts and have added the rent which is due. If Mr. Edison's arrangements are ready for making any announcement I would be glad to see him at Mentlo Park, about an article of a very thorough nature.

I called to see the Jablockhoff electric light at Koster & Bial's last evening, it was fixed up on Monday, but gave out on Tuesday evening on account a small accident, I expect the band breaking. - Last night it was in better form, but the intensity of the light was not constant.

Yours Truly
John H. Nichols

Statement of account for
the week ending. October 30th. 1880.

<u>Payments</u>		\$	c
Postage stamps		3	00
Chair seat			50
Expenses			30
Bulk rate & fully cash		2	87
Rent of offices		20	00
Papers			20
Paper for Journal		9	60
Clerk Salary		10	00
Boy		2	50
J. Michels		30	00
Extra help		3	00
Voyt (Cupboard)		5	00
Schanning Cupboard		1	00
Painter's Bill		43	50
Proprietor Holden for article July 3 rd	}	20	00
Seven No. 1. —————			
		\$151	47

<u>Receipts</u>			
Office receipts		24	25
Cheque to Balance		137	15
		\$151	47

"SCIENCE."

Address all Communications,
P. O. Box 2898,
New York.

No. 229 BROADWAY, (Room 53).

New York, Nov 11th 1880

To L. L. Griffin Esq
Meads Park - N.Y.

Dear Sir.

I have to acknowledge
and thank you for your last favor
and enclosure of cheque for £137.18.
to balance account ending Oct 31st 1880

I now enclose statement for week
ending Nov. 6th with balance of £132.75
a cheque for which will oblige in return

I enclose you copy of Electrician,
with full report of Lecture by J. W.
Pruan of Newcastle explaining in
detail his system, I would like
to know Mr Edison's wishes as to
how I shall treat it, he criticising
the system you propose to adopt

Received
Sept 11

in the distribution of electricity -

There appears three courses open, (1) to let Mr. Moses make a statement under Mr. Edison's direction, (2) for me to see Mr. Edison and take his notes and prepare paper (3) To ignore the matter -

If it could be put in the form of a letter signed by Mr. Edison it would have greater effect and command more attention. -

Yours truly
John Mitchell

P.S. If you have a copy of the paper I refer to, please mail the one I now send to you, as I cannot secure another

JM

Statement of account for the week
ending November 6th. 1880. —

		£	c
<u>Expenses.</u> —			
Stamps		1	00
Postal Cards		1	00
Rent of P.O. Box		4	00
Stationery bill		5	60
Paper for circulars		2	80
Yost engraver		3	75
Petty cash & bulk rate		2	81
Clerk		15	00
Boy		2	50
J. Ellichels		30	00
Paper for Journal		9	60
Printers Bill		45	84
24 Electrs. 7 pages for Nos 14 & 15		30	00
Help for addressing &c		1	50
		<u>\$155.40</u>	

<u>Receipts.</u>			
To office receipts		22	65
Cheque for balance		132	75
		<u>\$155.40</u>	

Address all Communications,
P. O. Box 3838,
New York.

"SCIENCE."

No. 229 BROADWAY, (Room 53).

New York, Nov 18th 1880

To S. L. Griffin Esqr
Meads Park N. J.

Dear Sir,

I hand you my weekly account showing balance of \$161.99. There were several small printed bills for sundries which I have added, and the extras. —

I saw Professor O. C. Marsh of Yale at the meeting of the National Academy of Sciences, and he told me that if "Science" had not been started at the time it did, another weekly Scientific paper would have been established. — It seems there have been a rupture among the Editors

of the American Naturalists,
and they are anxious to promote
a weekly paper — Professor O. C.
Marsh says he will get a good
gathering around Science,
and make a good organization,
for my part I offered to
do all I could to secure their
active cooperation. —

You will see letter from Prof.
Swift of Rochester in Saturday
and agents I have made
to make "Science" the special
medium among astronomers

Yours truly
John H. Nichols.

Statement of account for the
week ending November 13th 1880.

		\$	c
<u>Expenses.</u> -			
Paper for circulars		1	47
do for Journal		9	60
Clerk's Salary		15	00
J. Michels		30	00
Boy		2	50
Printer's Bill No 209, Pennier		52	82
Electros for 16. 17. 18. & 19 at \$12.60		50	40
Printer's Bill for, Circulars, orders		21	70
Cutting blocks, correction &c.			
		183	29
<u>Receipts</u>			
Office receipts	21.30		
<u>Cheque to balance</u>	161.99		
		183	29

Address all Communications,
P. O. Box 3839,
New York.

"SCIENCE."

No. 229 BROADWAY, (Room 53).

161 99
102 54
210 33

New York, Nov. 26th 1886

S. L. Griffin Esq
Meriden Conn

Dear Sir,

I enclose
this week's account
with balance due of
\$108.34. —

If you can let me
have check tomorrow
I would be very glad
as I have to make payments
and am without funds
to meet them.

Very truly
John Nichols

P. 8

The balance due
for the previous a/c
rendered is \$161.99-

J. H.

Statement of account for
week ending November 27th. 1880.

	\$	c
<u>Expenses</u>		
Postage stamps	2	00
Cult advertisement commission on ad	2	00
Paper for Journal	9	60
do for covers	2	10
Petty cash and bulk rate postage		66
Foreign postal cards		76
Domestic do		50
Clerk's Salary	15	00
J. Michels	30	00
Boy	2	50
Printer's Bill for 21	43	22
	<u>\$108</u>	<u>34</u>

<u>Receipts</u>		
Office receipts	11	25
Cheque to Balance	97	09
	<u>\$108</u>	<u>34</u>

"SCIENCE."

Address all Communications,
P. O. Box 569,
New York.

No. 229 BROADWAY, (Room 53).

New York, Dec 1st 1880

So S. L. Griffin Esq
Central Park N. Y.

Dear Sir,

I know you are
very busy down at the Park
but if you can spare time
to send my elegies tomorrow
I would be obliged as the printer
is worrying me daily for money
and I require it specially for
other purposes.

I will be sure to see Mr Edison
this week if possible as I want
like to arrange a special number
for his opening now approaching.
I give some curious notes on
the history of gas lighting this

Remue
Dec 1

much from authentic original
papers, the subject is treated in
special reference to Mr. Elmer's
discoveries. —

I also found a paper, dated
1811 - "On the Propagation of
sound by light" which is
curious —

Yours truly
John Nichols

Address of Correspondent:
P. O. Box 3838,
New York.

"SCIENCE."

No. 229 BROADWAY, (Room 53).

Science?
Dec 3 1880
no my

New York, Dec. 3rd 1880

To
S. L. Griffin Esq.
Central Park. etc. f.
Dear Sir,

Thanks for cheque
received yesterday, please show
to Mr Edison, notes on early
days of gas lighting, which I
worked up from some ancient
scientific papers.

Yours truly
John Richards

I would like to make up a good
number about gas light if
you can give me the material
would like plan of extent of
illumination, cost of new lamp

cut of new dynamo-machine
and I can work up the
thing general when down
at gun place. -

Perhaps by your mentioning
the matter to Mr Edison before
I go to see him, he may ask
one of his operators to get a
few drawings together. -

Yours Truly
John Mitchell. -

"SCIENCE."

Address Communications,
P. O. Box 2838,
New York.

No. 229 BROADWAY, (Room 53).

New York, Dec. 8th. 1880

To S. L. Griffin Esq
Clements Park - N. J.

Dear Sir,

I enclose statements
for last two weeks showing balance
due for both of \$170.57, and
will be obliged for a cheque for the
same —

You will notice I have given you
credit for a cheque of \$50. This you
gave me some months ago for cheque
from News Co, but was not used for
that purpose, as I was prepared last
week to make necessary payments. I
herewith the cheque forward —

Yours Truly
John Mitchell

Statement of account for
week ending November 27th 1880

	\$	c
<u>Payments.</u>		
Stamps	1	
Paper for Journal	9	60
Clerk	15	00
A. Michels	30	00
Boy	2	50
Printers Bill (No. 22)	43	95
1 Electrotype	1	10
24 Electrotypes (for Series No 20) and 21	25	20
Petty Cash and bulk rate		96
Rent due for office -	20	00
	\$ 149	31

<u>Receipts</u>		
Office Receipts	4	00
Cheque from Mr Griffin	50	00
Cheque due to balance	95	31
	\$ 149	31

Statement of account due to December
3rd. 1880. ———

Payments -

Postal cards	2 00
Postage stamps	5 00
Printers bill	41 00
Clerk	15 00
Boy	2 50
J. Nichols	30 00
Help for addressng &c	3 00
Paper for Journal	9 60
Petty cash & bank rate	1 40
	<u>\$ 109 50</u>

Receipts

Subscriptions	24 30
Cheque due to balance	85 20
	<u>109 50</u>

Address all Communications,
P. O. Box 3834,
New York.

"SCIENCE."

No. 229 BROADWAY, (Room 53).

New York, Dec 20th 1880

To
S. L. Griffing Esq
Munk's Park. N.Y.
Dear Sir,

I enclose ^{you} the statements for ~~two~~
weeks, "respective balances
being

101. 24

125. 56

Total \$226. 80.

This includes the cost of
1000 extra copies of last
week, as I am sending
4000 samples out to
list of Scientists.

As Christmas day
is on Saturday next,

I will be greatly obliged
if you will kindly send
a cheque to enable me
to clear these payments
by Thursday next. —

I remain Dear Sir
Yours truly
J. H. Nichols.

Statement of account for week
ending December 11th 1880. —

\$ c

Payments.

Stationery	25
Postage and postal cards	3 10
Paper for Journal	9 60
ditto for 1000 extra	9 60
ditto for wrappers	2 05
J. Michels	30 00
Clerk	15 00
Boy	2 50
Help addressing &c	5 00
Printer's bill	43 49
" orders and circulars	6 00
12 Electrocs for No 22 " <u>Science</u> "	12 60
1 Sheet of set of addresses	2 00
	<u>\$ 141 19</u>

Receipts

Office receipts	39 95
Cheque to balance	101 24
	<u>\$ 141 19</u>

Statement of account for the week
ending December 18th. 1880. —

	\$	c
<u>Payments.</u> —		
Paper for circulars	2	97
do for Journal	9	60
Petty Cash and bulk rate	1	99
J. Michels	30	00
Clerk	15	00
Boy	2	50
Help address, &c	3	00
Printer's Bill	53	38
Reprint of 1000 copies extra and compositors not used. —	13	62
	\$	132 06

<u>Receipts.</u>		
Office Receipts	6	50
	125	56
	\$	132 06

"SCIENCE."

Address all Communications,
P. O. Box 398,
New York.

No. 229 BROADWAY, (Room 53).

New York, Dec 28th 1880

To
S. L. Griffin Esq
Mead Park N.Y.

Dear Sir,

I enclose my
account for last week, showing
balance of \$95.08. —

If you can kindly give
your early attention to this
and two previous balances
I will be much obliged.

Yours truly
John McArthur

101.24
125.56
95.08
\$321.88

Statement of account for the week
ending December 25th. 1880. —

\$ c

Payments.

Stamps	1	
Congress	1	
Stationery		25
Paper for Journal	9	60
Extra paper.	-	55
Printers Bill for No 26	48	18
J. Michels	30	00
Clerk	15	00
Buy	2	50
Gratuities to Buy	2	00
Addressing &c.	3	00
	<u>\$</u>	<u>113 08</u>

Receipts

Office receipts	18	00
Cheque to Balance		95 08
	<u>\$</u>	<u>113 08</u>

Costs =

pages.

55 c 1000 ~~pts~~ —

120 lb paper —

press work &

folding

stereotyping. — about \$14.

printing 2500 at Gresham has

stereotyping plate —

1880. Telegraph (D-80-042)

This folder contains correspondence, agreements, and other documents relating to quadruplex telegraphy. Much of this material deals with litigation involving Edison, Western Union, and the Atlantic & Pacific Telegraph Company. Included are many letters by Edison's associate, Josiah C. Reiff. Related material can be found in D-80-043 (Telephone - General).

All the documents have been filmed except for duplicate copies of correspondence.

Western Union Telegraph Company

George B. Prescott
Electrician

New York January 6 1889

Friend Edison,

I was very much disappointed yesterday on my arrival at Meads Park to find that you were absent, but I was extremely pleased with the exhibition of your electric light, and with the exceedingly interesting process of making the lamp. I heartily congratulate you upon making an electric light far surpassing any other, and fully realizing the perfection of artificial illumination.

My object in going out to see you yesterday was to talk over our English & Canadian patents. I want to take the necessary steps to get some revenue out of them. I wrote Mr. Smith about helping pay the tax on the English patent but he said he did not wish to put any money in it, and as I have already

expended several thousand dollars, I did not wish to bear the whole burden without a larger interest, so I bought Mr. Smith's interest outright.

Mr. Orin being dead, it becomes necessary to have the two patents assigned to a new party, and I would like to have you consent to assign them to me as being a much more effective way of handling them. I will enter into a bond to secure you the interest conveyed to you by our Contract, of May 31, 1877, so that you will be perfectly secure. I will go to London in the Spring and stay there till this matter is settled, and this will be done without any expense to you. I suppose you are satisfied as to my

pecuniary responsibility, but if you
have any doubts upon this point
I will get some one to join me in
the fund who will be satisfactory
to you. The assigner of the patent
has to be recorded in London &
this costs quite a sum, so that I
don't want to have to do it often
than necessary.

I will inquire into the state of the
Canadian patent and try to get
that in lawful living shape if
possible.

Yours truly,
Geo. B. Prescott

Gold & Stock Telegraph Company.

P.O. Box, 4835.

Robert Green, President.
George W. Allen, Vice Pres.
Geo. B. Russell, Secy.
James B. Reid, Secretary

Western Union Building.

New York, Jan'y 10. 1880

Friend Edison,

It has occurred to me, since
writing you on the subject of our English
patents, that Mr. Weaver would make
an excellent trustee to hold the patents
for us. How would his appointment
suit you? He is on the ground and
could act promptly when the occasion
required.

Yours truly
Geo. B. Russell

Weaver is identified with
Anderson Pender who
have made claim
on Quail -
I will make it with
Lowry

1
Clarence Corp.
Attorneys

Western Union Telegraph Company.

New York, Jan 10th 1880

T. A. Edison Esq.,
Menlo Park,

Dear Sir: N. J.

I enclose herewith a formal assignment to the Western Union Telegraph Company of all your remaining interest in the duplex and quadruplex inventions referred to in the contract between yourself and George B. Prescott of August 19, 1874, and on behalf of the Western Union Telegraph Company hereby request you to execute and deliver the same to me in accordance with the terms of the agreement formal releases between yourself and said company dated December 14, 1875.

I enclose also for your information a copy of the clause in said agreement in which this formal assignment is provided for.

You will observe that you do not in executing this transfer in any way warrant.

Western Union Telegraph Company.

Chas. C. Corp.
Attorney.

New York _____ 18__

your title to the same; but merely convey your
remaining interest whatever the same may
be

Very Respectfully

Chas. C. Corp.

Copy

Received this day from the Western
 • Union Telegraph Company, the sum
 of one hundred thousand dollars (in
 certain two thousand bonds of the Gold
 and Stock Telegraph Company numbered
 from 551 to 750, each for the sum of
 Five hundred dollars, with coupons,
 other than those past due, thereto
 attached) this payment being in full
 consideration of the sale, transfer and
 assignment by me to said Company
 under instruments of assignment
 heretofore executed, of all my right, title
 and interest in and to certain Letters
 Patent and applications for Letters Patent
 of the United States, upon and concern-
 ing the certain inventions of Thomas
 A. Edison, Gerritt Smith, and myself,
 for duplex, Quadruplex and Multiplex
 telegraphs, more particularly described
 in said instruments of assignment,
 and said payment also being in
 full settlement of any and all claims
 or demands arising or accruing
 in my favor upon said patents
 or applications for patents, or the
 use of said inventions thereunder;
 the said Company being hereby
 released from any and all such

claims or demands, and from
~~any obligations under any agree-~~
 ments in respect to said patents
 and inventions heretofore made
 with me.

Dated New York, January 2, 1883

(signed) *George B. Prescott*

Assignment
 of
 Quadruplex -
 George B. Prescott's
 To the
 Western Union Tel. Co.

159 West 34th

ny. Jan'y 18/80

My dear Edison

I need \$2.500—

1.000 tomorrow Monday
balance $\frac{1}{2}$ this week
 $\frac{1}{2}$ next week.

Will you let me
have it?

If so, please telegraph
me ok tomorrow & I
will come out & get
check.

I saw J.G. yesterday, who
will testify, he was the agent
of A.P. & acted for them—
that will settle our case.

² We took Parsons
testimony yesterday,
which astonished
Wheeler, that he deferred
the X Examination
until he comes
consult his clients
H. W. F. said words
that Wheeler has delayed
giving him the order
he desired, which has
delayed his action, but
he wants to assume
he is acting in good
faith -

He asked a party yesterday
whether he (the party) thought
I would go back on him
(H. W. F.?)

How is
Mrs E.?

Yr JCH

Saturday 14th 80.
My dear P.A.

H. McK. P. has
asked Wheeler for a
written expression of
his views as to what
would be equitable
in a settlement with
us by A.D.
He told him he did
not want a single
legal opinion of their
refusal.

After getting that
he wants to see me
again, as to any point
which Wheeler may advise.

is very clear gain
as - H. P. wants
this for his own information
but for W. in a A.D. G.
as he proposes to consider
the matter for himself
when the first thing
done!
I have named a price
at did not agree
time!
I hope to see you tomorrow
Pm.
I want to see L. to tonight
I want to see him returned
any interest in the
or willing to take
I want to see Scott the other
day, who is ready to testify in me.

ALL are
J. C. REIFF.

Matters for us, looks better than for
No. 52 BROADWAY.

3 years past New York

With this winter as of the day
many realized, you will doubtless
conclude have not only the horse feed
but can draw blood from a
turnip, and a stone.

W. J. C.

Sometimes Ret. may be
in trying to send a sinking ship
sometimes that sinking ship and founder.

Handwritten notes and scribbles at the bottom of the page, including the words "Sinking ship" and "founder".

J. C. REIFF

Confidential

No. 52 BROADWAY,

New York, July 22 1938

My dear T.A.E. We expect to receive
mail about Wednesday in ATF
case - then, probably Chandler
& Eckert.

Please make an immediate &
careful collection of all
letters or memos in your possession
bearing a subject of ATF
& automatic beginning July 1/38.
Especially any letters rec'd from
J.F. TFE & ABC & copies
of any letters sent them -
they are probably of vital
importance.

Try mail them Monday night -
I am pushing the evidence now
to assist J.M.K. in making a
general settlement - He wants
backing -
J.C. Reiff

My July 24/86

My dear J.A.

I have just seen
E.H., who tells me you
are disposed to keep me
out of my present
embarrassment, but that
you are afraid it will
establish a bad precedent
without really doing
me any good -

I think you may trust
me not to be so judicious
or ungrateful as to
ride a willing horse
to death -

It shall not be a precedent
for benefit of an indefinite
hereafter you JCR

No. 4

S.M.O. 5-3-0.

(Service Message Form.)

The Direct United States Cable Company, Limited,

NEW YORK STATION, Jan 24th 1885

Recd. from		Sent or handed to	
Time	M.	Time	
Clerk		Clerk	

From No. of Message No. of Words

London To Edison

I have duly
reported our conversation
to Mr. Pender, Sir James
Anderson, and others
and they were
glatified that you were
ready to turn
over to us
such interests as
you had to
a sufficient extent

No. 4

(Service Message Form.)

S.M.O. 1-3-0.

The Direct United States Cable Company, Limited.

NEW YORK STATION, 187

Recd. from		Sent or handed to	
Time	M.	Time	
Clerk		Clerk	

From No. of Message No. of Words

To

to reimburse us
the amount owing
to us by
you, We have
noticed since I
saw you, the
great rise in
the value of
your interests in
the Electric Light
and we feel
with this, your

(Service Message Form.)

The Direct United States Cable Company, Limited.

NEW YORK STATION, 187

Recd. from	Sent or handed to
Time	M. Time
Clk.	Clk.

Pre: No. of Message No. of Words

From	To
3	

Telephone receipts and
the interest you
speak of in
the quadruplex etc.
you may now
be able without
difficulty to pay
us fully - I
mentioned that you
received me frankly
and expressed my
belief you would

(Service Message Form.)

The Direct United States Cable Company, Limited.

NEW YORK STATION, 187

Recd. from	Sent or handed to
Time	M. Time
Clk.	Clk.

Pre: No. of Message No. of Words

From	To
4	

make the necessary
arrangement. Every effort
has been made
and at much
trouble, to arrange
the matter through
the medium of
a company to
work the quadruplex
but Prescott interposes
and we are
driven to stand

No. 4

(Service Message Form.)

The Direct United States Cable Company, Limited.

NEW YORK STATION, 187

Time from	Time to
Time	Time
Clerk	Clerk

Prefix No. of Message No. of Words

From	To
5	

on	our	rights	3
in	that	and	6
other	respects	but	9
my	hope	is	12
that	in	the	15
spirit	of	your	18
conversation	with	me	21
the	matter	may	24
be	settled		27
	Puleston		30
			33
			36

My dear J. A. E. 30/8

My dear J. A. E.

Your note of 22nd
was misdirected to Mr

24 Le Rd did
not get it until yesterday
evening.

You know I would not
for a moment ask you
to draw upon your
wife, for my word has
always been that her
future should be
secure. Neither would I

lay you open to criticism
by asking you to borrow
on your life's stock.
Of course I must need
it pretty badly to
ask for it.

For the moment I have
deferred for a few days
my necessities, believing
I am on verge of a
satisfactory settlement
for both you & I. With
A. McK. I. but if I cannot
do better, I may ask
you to loan me some
more. Have just had Edg
good bye. He is one at least

whose ability & faithfulness have not disappointed us.

Enclosure for E.H.'s testimony

Let me know what you think
of it.

[Handwritten signature]

J. C. REEF. 100
 1500 Broadway St.
 No. 62 Broadway St.
 AMERICAN AUTOMATIC TELEGRAPH CO.
 1500 Broadway St.

AMERICAN AUTOMATIC TELEGRAPH CO.
No. 52 BROADWAY

J. C. REIFF,

52,000 15-4-8

NEW YORK STATION, Feb. 2nd 1882

Recd. from _____ Sent or handed to _____
 Time _____ M. Time _____
 Clerk _____ Clerk _____

Prefix..... No. of Message.....
From..... No. of Words.....

From	No. of Wards
London	To Edison Mento Park

[illegible]

No. 4.

(Service Message Form.)

31,000, 5-5-3.

The Direct United States Cable Company, Limited

NEW YORK STATION, Feb 4th 1880

Book from _____ Sent or handed to _____
 Time _____ M. Time _____
 Clerk _____ Clerk _____

From _____ No. of Message _____ No. of Words _____
 To _____

London Edison

I Private
 must really
 ask you to
 reply to our
 Communications, You met
 me frankly and
 I appreciated it
 It is now
 reported that quadruplex
 is sold to
 Western Union you signified
 at once your

No. 4.

(Service Message Form.)

31,000, 5-5-3.

The Direct United States Cable Company, Limited.

NEW YORK STATION,

187

Book from _____ Sent or handed to _____
 Time _____ M. Time _____
 Clerk _____ Clerk _____

From _____ No. of Message _____ No. of Words _____
 To _____

readiness to give
 us your interest
 in that too
 Puberton

The Direct United States Cable Company, Limited.

NEW YORK STATION, Feb 18th 1880

Recd. from	Send or handed to
Time	Time
M.	M.
Clerk	Clerk
No. of Message	No. of Words
From	To
London	Edison

Have	lodged	your	3
patent	case	thirty	6
five	with	Newton	9
Don't	fail	telegraphing	12
him	remittance	of	15
hundred pounds	seventy		18
years	due		21
twenty	fifth	this	24
month			27
	Rixon		30
			33
			36

No. 4

(Service Message Form.)

31.000. 5-4-0.

The Direct United States Cable Company, Limited.

NEW YORK STATION, Feb 18th 1880

Recd. from	Send or handed to
Time	Time
M.	M.
Clerk	Clerk
No. of Message	No. of Words
From	To
London	Edison

Howard	refused	to	3
advance	hundred	for	6
patent	tomorrow	last	9
day	What	is	12
to	be	done	15
You	had	better	18
wire	Newton		21
	Rixon		24
			27
			30
			33
			36

THE WESTERN UNION TELEGRAPH COMPANY.

Our Company TRANSMITS and DELIVERS messages only on conditions, limiting its liability, which have been submitted to by the sender of the following messages.

A. R. BREWER, Sec'y

NORVIN GREEN, President

Dated New York Feb 20 1880

Received at CL 5320

To Odessa

READ THE NOTICE AT THE TOP.

I have cabled the
amount tax to Pender
and Rixon

10 pound
x of

J. C. REIFF.

No. 52 BROADWAY,

New York, Feb 26 ¹¹ 1890

My dear Edison

I learned this afternoon that Mr. Rixou, in his fear lest the tax due tomorrow should not be paid, ~~he~~ cabled you today regarding it.

As I have provided the \$100, ~~in~~ and cabled it to Rixou, of course it will be unnecessary for you to pay any attention to his cable, and I so telegraphed you.

I have found a copy of Rixou's letter regarding my compromise with them, and I shall immediately prepare the joint letter to be returned.

This original letter I forwarded to you & you must still have it. Fortunately for reference I kept this copy.

If you or Babcock have any inspiration on the subject of the Page Patent in addition to what we already have, it might be desirable to have it in house.

Yours Truly
J. C. Reiff

J. C. REIFF,

52 BROADWAY,

New York, February 27, 1880

My dear Edison

I inclose you the paper proposed to be sent to London in acknowledgment of their approval of my arrangement with them.

If satisfactory in form, please sign return.

If you desire any change please note them so they can be made.

I don't think any acknowledgment of signature is needed at this time, when they send more formal paper will be time enough.

You will note that I did not for a moment concede any right on their part to demand a return of the money, unless the property under the contract furnished it.

This agreement was to cover all their claims for past services, in allowing certain continental Patent to be used etc

Yours to J. C. Reiff

No. 4

25/100. 5-4-0

(Service Message Form.)

The Direct United States Cable Company, Limited.

NEW YORK STATION, *March 4th 1880*

Recd. from	Sent or handed to
Time	Time
Clerk	Clerk

From *London* No. of Letters *1* To *Edison* No. of Words *1*

<i>Have</i>	<i>received</i>	<i>no</i>	2
<i>letter</i>	<i>have</i>	<i>you</i>	6
<i>written</i>	<i>and</i>	<i>when</i>	9
	<i>Pulitzer</i>		13
			15
			18
			21
			24
			27
			30
			33
			36

Friend Edison.

I have sent yours of
to Governor. I thought it
now enclose you another
from Palestine & shall
be glad to send your
answer to it.

A friend of mine Hamilton
the electrician on board the
Anglo American Co. cable
steamer, is here for a few
days & would very much
like to pay you a visit.

Would it be convenient for
him to come & see you
and when either this or
next week. please let
me know & oblige

WY
11 March 80

Yrs very truly
G. F. Ward

UNITED STATES RAILWAY-TELEGRAPH CO.
No. 52 BROADWAY.

New York, March 11th 1886

My dear Edison

I have just ~~received~~^{seen} a cable received by Ward for you from Puleston.

As my name was at the beginning it was supposed to be for you & me jointly. On closer inspection it seems to be addressed to you directly, and therefore is forwarded to you by Ward.

I had intended with your approval to send a message of which the following will be the substance, but as the message is addressed to you alone, I suppose you might better send it.

I propose ~~to~~ treat Puleston in this matter as an innovator, and as having undertaken to change the agreement entered into by me, with Puder Anderson, & Allen in London. They are the real parties.

I propose to have that treated as a finality.

UNITED STATES RAILWAY-TELEGRAPH CO.
No. 52 BROADWAY.

2

New York, _____ 187

The paper you signed the other day I immediately forwarded and it will reach London within a few days anyhow.

I propose that you shall send the following cable to Puleston in reply to the one received to day.

"Puleston, London.

"Reiff mailed to Rixon 14th inst. my approval of his arrangement made with Bender, Anderson, & Allen in London.

"This was to be a finality.

"Edison"

I do not propose that by any meddling or statement of Puleston that you shall be made to appear as having consented to return them the money; that suggestion I treated as ridiculous and you will remember that my arrangement covered by the paper signed by you, involved no responsibility on our part except cooperation in good faith.

3
UNITED STATES RAILWAY-TELEGRAPH CO.
No. 52 BROADWAY.

New York, _____ 187

Please advise me promptly what you do,
so that I can also write by Saturday's
steamer.

If you modify the cable in any
way, be sure and send me copy; but
you'd better limit yourself to the above
is that you shall say nothing in con-
flict with my agreement with them
in London.

They must not be allowed to back
out and take a new shoot.

Yours Truly,
J. C. Raiff

W.

When is L. J. W.
I understand he was there
Monday. My yesterday
but I have not heard from
him.

The Direct United States Cable Company, Limited,

NEW YORK STATION, March 11th 1870

Recd. from _____ Sent or handed to _____
Time _____ M. Time _____
Clerk _____ Clerk _____

From _____ No. of Message _____ No. of Words _____
To _____
London P.A. Edison

Reiff proposed arrangement
cause to nothing
Prescott declining you
frankly acknowledged your
readiness to repay and
I communicated that
fact. You will
hardly attempt to
fall back on
an impossible proposal
of Reiff the

No. 1.
(Service Message Form.)

20,000. 5-3-2.

The Direct United States Cable Company, Limited,

NEW YORK STATION, 187

Recd. from _____ Sent or handed to _____
Time _____ M. Time _____
Clerk _____ Clerk _____

From _____ No. of Message _____ No. of Words _____

R
money was obtained
from us and
is owing under
circumstances which should
cause no hesitation
whatever on your
part to carry
out your pledge
to me. I
trust this is
clear and that
you will communicate

No. 4.

(Radio Message Form.)

The Direct United States Cable Company, Limited.

NEW YORK STATION, 187

Recd. from		First or handed to	
Time	M.	Time	
Clerk		Clerk	
Prefix.....No. of Message.....		No. of Words.....	
From		To	

3

at	once,	3
	Pulverton	6
		9
		12
		15
		18
		21
		24
		27
		30
		33
		36

1 N.Y.
Thomas A Edison
ms

Mar 12, 1880
12:20

Can you be examined tomorrow
in New York in Murray case
What hour

George Harris

13 paid answer

144

Blank No. 2.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which have been printed on the reverse of this message.

It is the policy of this Company to receive a message back in the same station for comparison, and the Company will not hold itself liable for error or delay in transmission or delivery.

The message is an UNREPEATED MESSAGE and is subject to be altered or delayed by the Company.

A. R. HAWKES, Secy.

ROBIN GREEN, President.

Date New York 3/16 1880

Received at 2:06 PM

To T. A. Edison

Murray Park

Have you made any
communication to Palestine yet

J. C. Reiff

paid
Hof

4/16

READ THE NOTICE AT THE TOP.

My dear Mr. Gould
Mar 17. 1880

Friend

March 17, 1880
25 FIFTH AVENUE

My dear Edison

I am sure the
Bazet Patent has been given some
prominence by the Western Union I recall
conversations with you in which you
assured me there was nothing in it. I
would be glad if you would prepare me
an opinion on the matter respecting the
Induction Coil & Electric Magnet &
charting these with each other. I would
like to have you at once & would then like to
see you at New York.

Sincerely, J. P. Hall

NORRIS & BEACH,
 COUNSELLORS AT LAW,
 808 BROADWAY,
 Crossing Post Building,
 George Meigs, Walter R. Beach.

*Try to settle it
 write what you
 want me to
 stuff to & send
 see if I can
 take in the letter &
 think you can
 get a settlement
 New York Dec 19 18 88*

J. A. Edison My
 My Dear Sir

We shall need your evidence
 in Murray's Case - Please let us know
 when you can best spare the time
 Day shown - Then we will get the
 papers ready - I come to my office
 & I will go with you to the
 Court-room - Please answer and
 Oblige

Most truly

George Norris

*11.00
 4.00
 6.00
 20.00
 20.00
 61.00
 61.32*

NORRIS & BEACH,
COUNSELLORS AT LAW,
808 BROADWAY,
Opposing Post Building,
George Hotel. Walter R. Beach.

Murray
vs
A. H. T. Lee

Case of Mr
Murray vs
A. H. T. Lee
New York March 25. 1880

J. A. Edison Esq,
my dear sir

The A. H. T. Lee say they will
not settle - he would let me do himself
so we cannot get a settlement - but
we want to take your evidence before
trial - we can do it at any time
that you will tell us when you
will come to be examined - we desire
your examination upon these points -

First that you had authority to order the
machine -

Second that you did order it -

Third that it was well made and suited
the purpose for which it was made,

Fourth that Murray never guaranteed it -
but worked entirely under your directions

he will send you a copy of the
answer so you can see what
they propose to prove - Let us know
when you will come & we will
examine you and it is not necessary
for you to be there at the trial -

Please let us hear from
you soon

Most truly

George Norris

[ENCLOSURE]

Exhibit A

Newark, N. J.,

1872

Atlantic & Pacific Tel. Co.

Bought of J. T. MURRAY,

MANUFACTURER OF

Telegraph Instruments,

Nos. 10 & 12 WARD STREET.

1876

april	21	2 Double Polarize Relay	S_{30}°	70		
		2 single	S_{30}°	40		
				110		

To wit:

Court of Common Pleas
for the City & County of New York

Joseph. T. Murray

agst

The Atlantic Pacific
Telegraph Company

Copy
Answer

The defendant in the above entitled action by Mr. Daniel, Imminis & Boutler, its Attorneys, answers the Complaint of the plaintiff above-named and first Admits that it is a corporation as in the first paragraph of the said Complaint alleged.

Second: Denies each and every other allegation in the said Complaint contained.

2 Third: And this defendant further answering the said Complaint avers that as it is informed and believes at a date prior to the date mentioned in the said Complaint the defendant ordered of the plaintiff a certain piece of telegraphic machinery or apparatus called a "Quadruplex Instrument" which as the plaintiff well knew was designed intended and ordered by the defendant for a specific purpose and he

- 3 thereupon undertook and warranted
 into the defendant that the instrument
 or apparatus then furnished by him
 in compliance and fulfillment of said
 order was of good quality and material
 well and skillfully constructed and
 perfectly adapted to perform the offices
 and functions for which as he well
 knew - the defendant desired and ordered
 it; that the defendant received said
 instrument or apparatus and paid the
 plaintiff the full price agreed upon there-
 4 for: that the said instrument or appara-
 tus proved to be and in fact was bad in
 quality and workmanship - mislabeled
 constructed and totally incapable of per-
 forming the offices and functions for
 which it was so purchased by the defend-
 ant and warranted by the plaintiff: that
 thereupon the plaintiff acknowledged the
 imperfections and bad character of said
 instrument or apparatus and undertook
 without the instructions or orders of the
 5 defendant to remedy the same by supply-
 ing or adding certain appliances - to wit
 those mentioned in the said Complaint
 and bill of particulars herein: that the
 defendant did not order or desire the

plaintiff so to do, but that he did it on his own responsibility and that upon his so doing, the additional appliances aforesaid proved to be utterly worthless and ^{and} that in fact ~~remedy~~ the said original instrument or appliances and that the defendant has never been able to use and in fact has not used the same at all for the purposes for which it was so as aforesaid designed, intended and ordered by defendant.

Wherefore the defendant demands judgment that the said complaint be dismissed with costs.

At Daniel Linnin Gauthier
Deft. Atty

NORRIS & BEACH,
COUNSELLORS AT LAW,
208 BROADWAY,
Exchange Post Building,
George Horne. Walter R. Beach.

New York,

April 3rd 1880

Thomas A. Edison Esq.

My dear Sir

In the Murray case

Can you come in so
we can examine you
next Saturday - Please
let us know before so
we can have the papers
ready. Most truly

Norris & Beach

Philadelphia, April 7th 1880

Thos Edison Esq

My Friend

Mr Seyfert desires
me to write to you, or call and
see you in reference to getting
a Settlement for the note she
hold against you as Endorsed
by you. Circumstances are
such it Compelled to raise
money to pay off some pressing
claims. Excuse this for
I trust that you will, you
will be able to arrange this
matter as Early as possible
as you know it is of long
standing — In the meantime
please let her have \$500.
for immediate use of putting
banks either on up or
a loan

Thanks for the \$100. received
from you sometime ago
an Early Reply will oblige

Yours
Respect

Wm W Seyfert

111

Philosophy 80

Wm M. Seyfert

Presented to J. R. 1880

Confidential

UNITED STATES RAILWAY-TELEGRAPH CO.
No. 52 BROADWAY.

New York, *Apr 9th* 1880.

Dear P.A. &

File
Mm of 8th recd.

The loan of \$300 was all right as a matter of kindness, but I wish you had advised with me before you did even that.

I don't want you to do anything as an acknowledgment of the note, as I wish to use that at the proper time to force a settlement for all their claims in that interest.

If you chose to send her a couple hundred as a loan O.K., but as to the note refer her to me say that matter was an arrangement of mine.

I'm understand. Don't acknowledge responsibility.

I will see you in a day or two.

Has L. J. W. note to Washington?

Chas J. Fox

UNITED STATES RAILWAY TELEGRAPH CO.
No. 52 BROADWAY.

New York, Apr 13 1887

My dear Sir,

In your Contract (copy)
made in 1877, with the U.S., the weekly
compensation named was \$150.
I remember that for a long time
was for me.

I presume you have never drawn
but your \$100.

I also presume the terms of the
Contract have never been changed
if not then times have passed and due
me the payment of which the U.S.
is quiet not to make.

As it would be a great inconvenience
to receive the same, I simply want
to know whether you have ever

decided more than the \$100 for work
whether you continued to draw the

the same or not. I am sure of
it. I am sure of it.

I am sure of it. I am sure of it.
I am sure of it. I am sure of it.
I am sure of it. I am sure of it.

UNITED STATES RAILWAY TELEGRAPH CO.
No. 52 BROADWAY.

No. 52 BROADWAY.

New York, Apr 10th 1858
 My Dear F.A.
 Yours recd, inclosing
 cable regarding 70 years case.
 I have also recd one.
 Of course it must be sent, but how
 I am to provide it, I cannot yet
 see, unless you help.
 I will try to provide it in due time
 but if impossible, then I will call
 anyone for assistance -
 Recolled I have had no source
 of Revenue for 5 years, but other
 the sacrifice of depreciated property,
 whilst those whom I have had to
 engage will in a death struggle
 have received hundred^s of thousands
 of dollars through Tax & Bribes.
 The ways of the world are strange!
 Perhaps there is still justice & fine
 & if not generosity. I would like you
 very much. Harry on account of I
 regarding his entered with G.E.G. to J. R. H.

My dear Sir
 I have the honor to acknowledge the receipt of your letter of the 10th inst. in relation to the above named matter. I am sorry to hear that you are not satisfied with the result of the investigation. I have been very anxious to get to the bottom of the matter and to satisfy you in every particular. I have been very busy lately and have not had time to devote to this matter as much as I would like. I have, however, been very careful to get all the facts and to make a fair and impartial report. I have been very anxious to get to the bottom of the matter and to satisfy you in every particular. I have been very busy lately and have not had time to devote to this matter as much as I would like. I have, however, been very careful to get all the facts and to make a fair and impartial report.

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FILED BY THE CLERK OF THE COURT
 IN THE MATTER OF THE ESTATE OF JAMES H. HARRIS
 DECEASED
 JAMES H. HARRIS, DECEASED
 JAMES H. HARRIS, DECEASED

April 17th '90

10th Morris Street
Presdt W. U. Tel. Co.

[Signature]

Dear Sir:

You, Mr. Orton, then Presdt of your Co, did in the early part of 1877, make a contract, in which the parties named, were the Western Union Tel. Co and Thomas A. Edison.

It was to be operative for five years, Part of the consideration, was to be the payment of \$150⁰⁰ per week, during the life of the Contract, unless sooner modified.

Of this consideration, Mr Edison was to receive \$100⁰⁰ weekly and I was to receive \$50⁰⁰ weekly.

The object of that provision and of the manner of making it, was well understood by Mr. Orton.

I believe your company has continued to regularly pay the sum or share due to Mr. Thos A. Edison, but of my proportion, I have never received a dollar from your Company.

As it would be very convenient

at this time to receive the share
due me, I should be pleased if
you could send me a check for the
amt, now reaching some seventy-
five hundred of or dollars (\$7500)
for the past three years.

Respectfully Yours
Josiah B. Keiff

Wm. Keiff

Recd. by
J. B. Keiff
M. - L. Keiff
M. - L. Keiff

New York, Apr 22 1888

Dear P. A. E.

I cabled the
£106 to London today, for tax
due tomorrow, but had to borrow
the money & you must keep
me out for a time.

I need \$2500 very badly, but
you must let me have \$1000
anyhow, until I can relieve
myself.

I have read no word from Dr
Cruik in answer to my letter
copy of which I sent you.
I have read some very important
documentary testimony from
Chandler (under the order of the court)
in the case.

I will prove our case we shall
get paid

If the W. & O. will crack you about my
\$50 per week in that contract, you will of
course support my statement. What J. R. Hoff

The page Patent will be explored & if a patent is found & infringes upon

⁴
NY 26
Mr Edison

Apr 26. 80
5 PM

While here few days next
week will hope to see you
and be able to get a settlement
Please communicate with me to
Prevost House

J. H. Puleston M.P.

265H
H.S.

No ans

NORRIS & BEACH,
COUNSELLORS AT LAW,
205 BROADWAY,
Opposing Post Building,
George Hotel. Walter H. Beach.

New York, April 27, 1880

Thos. A. Edison Esq,
Munko Park.

Dear Sir:

Will you kindly send
us the full name of some Law-
yer or Justice of the Peace residing
at Munko Park, in order that we
may insert it in a commission
to take your testimony in Manuscript
Court against the A.T.P.

And Oblige

Yours Very Truly

Norris & Beach

P.S. Be sure and send full and
last name in full. Initials
will do.

J. C. REIFF,

No. 52 BROADWAY,

New York, Apr 28th 1880

Personal

My dear J. A. E. I had hoped
to see you here this, this week,
but am busy preparing for
the Examination of A. B. Candler
in a case, which is expected
to begin tomorrow, on the production
of certain important memos.
After that I must be out.
I must have some money on
Friday morning 30th without fail, and
perhaps is needed to pay my life insurance.
I trust you will send me \$650.
anyhow without fail. with same
very very badly off for more.
Please don't fail to assist me.

J. C. Reiff

UNITED STATES RAILWAY TELEGRAPH CO.
No. 52 BROADWAY.

New York May 1st 1882

My dear Edison

I'm of all 3^d.
My check \$300 recd.

Small form thankfully recd.

I finally got my batch of documentary
evidence from Chandler today, which I
think finally secures us payment.
I will send you copies as
soon as made.

Wm J Schiff

The Representatives for
England May 12.5.50
are of the
HOUSE
OF COMMONS
OTTAWA
J.A. GOUGH
May 2. '50

Dear Sir,

I assure you I labor under no
mistake whatever - for you have not
until now suggested that I was mistaken
as to the results of our interview last
year. It happened to the gentleman
who accompanied me heard most of
the conversation, & I gave you time & space
full credit for frankness - but supposing
it were not so surely you do not
seriously mean what you have said, &
I can only account for the statements
in that letter by presuming that your
dearling must have misunderstood you.
You do me severely to pretend that your
purpose was to set up, adduce the
fact that morally nor legally one
can "steal" when you must certainly

do not say passing your money
illegally.
What have we to do with the operation
which you mention? we subscribe
the money in good faith & paid it
to your agent & on conditions with
which you must be perfectly familiar
& which you have admitted to me,
though the matter was perfectly clear
& never questioned by you or any
one, & supported by my evidence
from first to last.

I am informed that you have been
told I am not authorized to settle
this matter. It is very wrong
for me to say that I came without
full authority - to take each step
as may be necessary, & I may add
that all the dispatches sent to your
house through Mr. Paden & Mr. James
Anderson & from them to me here

They came through at word of the Dried
at the University.

I am sure you must as a reasonable
man see that we are fully entitled to
receive from you my considerations
for the way in which we have so long
acted in this matter, & that it is
now settled. & I think you
will say that I have shown nothing
but respect & consideration for you.

I shall be in New York on Wednesday
& Thursday I must ask you to be
good enough to see me.

Believe me

Yours faithfully

W. S. Webster

J. A. Edison Esq

u a u

J. C. REIFF,

No. 52 BROADWAY.

New York, May 12th 1898

My dear Edison You will remember
that, in your 5 year's Experimental Contract
with the Edison Union, dated I think
Feb 24/1897, part of the consideration was
the weekly payment of \$150⁰⁰ per week,
of which \$100⁰⁰ per week were to be paid you
and \$50⁰⁰ per week were to be paid me.
That portion concerning me, having been
included at the suggestion of Mr.
Wm Barton Bond himself.
Please advise me whether your understanding
of the matter accords with mine, as the
portion due me has never been paid.
Please also state whether you have ever
received more than your \$100⁰⁰ per week
under the arrangement.
Let me have immediate reply.

Yours truly
J. C. Reiff

THE WESTERN UNION TELEGRAPH COMPANY

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which have been assumed by the sender of the following message:
 Messages can be garbled against only by repeating a message back to the sending station for comparison, and the Company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages.
 This message is a FINEPRINTED, UNREPEATED, and is not to be used for the purpose of the sender's liability.

A. R. BREWER, Sec'y

NORVIN ~~SECRET~~ ~~CONFIDENTIAL~~

Dated New York May 14th 1880

Received *P* 1/

J. Adams

READ THE NOTICE AT THE TOP.

Have you received and
answered my letter of
twelfth

J. R. Reiff

9 paid
Haf

11. 5. 20

F. K. FITCH,
ELECTRICAL APPARATUS.

Model & Experimental Work,
Galvanometers, Resistance Coils,
ELECTRO-MAGNETS, &c.

No. 40 Courtlandt Street.

New York, June 7th 1880.

Chas. Batchelor Esq

Sir

Please let me know what parts
you have on hand of the Stock Printer
I want ^{wood & iron & brass} center screws and paper parts
clicks star wheels and type wheel shafts
link pieces ink roller parts sleeves for
type wheels these parts I use most
let me know what you have and I will
come down and get them if will suit you
to me C. O. D.

oblige

J. T. Murray

To

Chas. Batchelor

Mills Park N. Y.

Direct as above

dear
I had hoped to hear from you before this
time, relative to the automatic instrument, kind
of perfect illustrations of, & details of, my own, & the illustrations
If you have any proposition to offer, I should
like to hear from you as soon as possible
and if you have concluded that you don't want
to purchase, let me know by return of mail,
so that I may know how to act in this matter
If you prefer you can make your offer in person
on the 12th of Nov., 1888

J. D. A. Edison

Phil. June 17, 1880.

Menlo Park
JL

Yours Respect,

H. M. Sargent
No. 1855, N. 11, 4 St.

J. C. REIFF.

No. 52 BROADWAY,

New York, June 18 1884

My dear Edwin: Your telegram
recd. I have been very unwell
for past 2 or 3 weeks. although
at office in Washington all
the time.

Riding on Railway is very
uncomfortable time. but I am
my usual order.

Not quite well enough to
come today, but if you are
not coming to City since be
at home, will try to come some
tomorrow - I see Parker is
here.

Inclosure your letter and from
Seyfert. I have written him
today - Be assured by me in this
matter - I had him go to make a
mistake by any hasty action -
Rest Easy - Yr. JCR

[ENCLOSURE]

~~C. DEPT.~~

~~NO. 52 BROADWAY.~~

C. Deft.

Child ~~New York~~, June 16 1880

Dear Sir

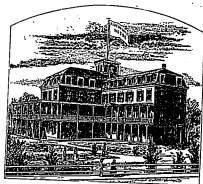
You have failed to write me according to promise you so faithfully made when at N. York a few weeks ago that I should hear from you in a few days relative to the Edison matter I spoke to you about. I again called on Mr. Edison last Saturday, but much to my surprise did not succeed in accomplishing for Mrs. Seyfert anything in the way of assistance on any of his note. I am therefore compelled in as much as yourself & Mr. Edison will do nothing in the way of settlement, to put the matter in the hands of a Lawyer with all papers, contract, &c. appertaining to the note

I have some valuable paper in my possession against you which I will del'd to you when our matters shall be settled

Yours Respt
Mrs M. Seyfert

To

J.C. Kiff-Esqr
N.Y.



The J. C. Ray
Pigeon Cove House.

PIGEON COVE, MASS.

Dec 10th 1886

My dear Edison I was, compelled
to leave this to record a serious
illness - of a kind somewhat
important. I hope to be home
within a week when I will
at once send you another
copy of the undersigned
with Reader to go -
You have a copy of the Ray
Correspondence - that constitutes
the agreement.
I trust you are well & that the
future has something solid
for you & me. I
Am S. C. Ray

F. K. FITCH,
ELECTRICAL APPARATUS.

Model & Experimental Work,
Galvanometers, Resistance Coils,
ELECTRO-MAGNETS, &c.

No. 40 Courtlandt Street,

New York, July 22nd 1880.

Wm. Batchelor Esq

Sir

please send me (3) pairs Escapements
for Edison Stock Printer by Mr. Keany or
your messenger as so on as convenient
I oblige yours &c

J. Murray

Mr Scott

is now before the committee
for appropriation for parts which I
got the order in legal form I
will sell all the parts they call for
that you have on hand.

3 chums for Garfield

now left

J. M. T.

Will-

Charge Murray

3 Escapement Levers
3 " " Chaps
6 " " Amature Levers
3 " " Amatures.

5
J. S. Murray
July 22, 1870.

J. C. REIFF.

No. 52 BROADWAY.

New York, July 27th 1888

My dear Edison. I ret'd to
the City this am.

I inclose you copy of the
Rison correspondence, covering
the understanding with Messrs
H. & L. Laidman.

I will go far beyond what
considers fair reprob. for the purpose
of removing all cloud upon foreign
Rison, by yielding to Prescott a share,
for Heaven knows I want to get
out from under the Hamard.

Simms' assignment in connection
with Prescott will aid materially in my redemption.
I suppose it is all right, but I must say
seems to favor better than I do.

Yrs
J. C. Reiff

I trust Mrs E
is better, as I hear she
has been ill.

New York Friday 24th 1880.

Guatemala 20.

Referring to the interview lately held between you and Mr. J. E. Riiff in London, concerning questions growing out of the Smith, Fleming & Co. contract of September 2nd 1873, we hereby approve the action taken by Mr. Riiff to effect harmonious co-operation in the litigation and development of the Edison Inventions, covered by the contract with Smith, Fleming & Co. before referred to; and trust it will result to the mutual satisfaction of all concerned which is certainly the desire of the undersigned.

To prevent misunderstanding and to preserve a record in the simplest form we hereto annex copy of a letter written to Mr. A. W. Paxon by Mr. J. E. Riiff under date of 12th December '79 incorporating the general understanding, come to while Mr. Riiff at the meeting held before his departure from London at the Office of Mr. John Pender.

We likewise annex copy of reply by Mr. Paxon to Mr. Riiff under date of 20th Decr '79.

Any further papers being necessary

for the proper carrying out of this arrangement will be promptly signed on being forwarded by you.

Thomas A. Edison

Josiah C. Reiff.

George Harrington

by Josiah C. Reiff

this City

To

Messrs John Pender

& Associates

London Eng.

Dec^r 12th 1879.

My Dear Mr. Rison.

It is desirable that I should have some recognition of the general arrangement arrived at the day we met at Mr. Pender's office for purpose of laying before Mr. Edison.

I therefore beg that you will either mark this as approved or say in a note to me referring to this, that my understanding is correct, viz:

1. London parties are to have $\frac{2}{5}$ instead of $\frac{1}{5}$ as now provided in P. F. & Co. contract of Sept 2/73.
2. That they are to have $\frac{1}{10}$ interest in cable improvements absolutely, instead of option to acquire $\frac{1}{10}$.
3. That Brower's automatic improvements are in the common interest.
4. The Brower relay matter as was suggested by Mr. Pender to remain open for future consideration.
5. London parties to receive $\frac{1}{2}$ of all proceeds from the common interest in P. F. & Co. contract until they shall have received £10,000.

After that the proceeds shall be divided in the proportions provided by the contract

as now amended, viz: 2/5 London parties
9/5 to Edison and associates.

I believe this covers the points.

If you reply to this at once better ad-
dress me by Steamer Algeria, Cunard
Line, Queenstown, or directly to 52 Broad-
way New York, so it will meet me on my
arrival.

Your note as the Council will serve
every purpose of merely fixing the under-
standing.

Yours Truly
J. C. Reiff

C.H. Pond

Manufacturer Fire alarms
New York -

Better come to Menlo

Pack immediately
and when you will
arrive, =

T. A. Edison

Aug 4 1888

2
Mys
T A Edison

Aug-80

(00)

Telegram just received
Mark Storer and I
will come this pm
Want to consult you
before I sign any contract
here

C H Bond

210*
mmy

J. C. REIFF.

No. 52 BROADWAY.

New York Aug 16th 1880

file JCR

My dear Edison

After a great deal of time & trouble I have secured & had printed the testimony of Harry Fox. Please myself in the app sent -

I send you a copy, with the exhibits thus far put in - by app & our side.

Could you read it promptly let me know of any suggestion you may have, or information that will confirm what I have said, or fix some new point on them. I want to go to Utah this next month!

Yours truly J. C. Reiff

Testimony on app case
will go on early in
September.

J. C. REIFF,

No. 52 BROADWAY.

New York, Feb 2nd 1886

I am very busy
and will take permission
regarding them patents
for infringing not to get
myself into a
thick entangled do that

My dear Edison.
Will you please
compare the Fort & Randall
patent (Automatic) with yours &
point out the material infringements.
Edison was in the Patent
Office some time since & may
help you.

Even if they infringe even will
the Revere currents you
have always said they infringed.
Now that the Rapid & is
pushing ahead, I must have
notice upon them.

They are doing 1400 newspapers
day between NY & Boston & their
Washington line will soon be
completed.

Yours is out of it.
I presume Ed is pushing Reiff
that he had not.

Adresse Telegraphique
'BEBIAN'



P.O. BOX 4327.

Thos. A. Edison Esq.
Munro Park N.Y.

Dear Sir,

Mr Perce the President of
this Company cables us, ^{from Paris} find out
the cost of introducing your system
of multiple transmission as applied
to telegraph lines. ie: your duplex &
quadraplex system. An early reply
to this Enquiry will oblige
yours very truly

L de Bebian agt
for Ed. Perce

BIG RAPIDS, MICH. OCT. 20 1880.

DEAR SIR:---

I HATE TO INTERUDE ON YOUR VALUABLE TIME, BUT KNOW-
ING YOUR INTEREST A SUCCESS IN INVENTIONS I VENTURE TO ASK A
LITTLE ADVICE.

SEE IN A NOTICE OF YOUR "AUTOMATIC TELEGRAPH,"
I NOTICE THAT YOU USE A CHEMICALLY PREPARED PAPER.
NOW, I WISH JUST THAT KIND OF PAPER IN TESTING AN IDEA I HAVE
IN THE LINE OF TRANSMITTING FAC SIMILE WRITING. WITH THE EX-
CEPTION OF THE PREPARED PAPER OR INK IT IS ON AN ENTIRELY NEW
BASIS.

IF THERE IS AN INK WHICH WILL CLOSE THE CIRCUIT AS THE
POINT PASSES OVER THE WRITING, PLEASE INFORM ME WHERE I CAN
OBTAIN IT. IF YOU CAN TRUST ME AND FORWARD SUCH PAPER AND INK
I WILL RETURN THE PRICE. IF THAT IS ASKING TOO MUCH, PLEASE
TELL ME THE COST.

I REFER YOU TO MR. W. A. JACKSON, DETROIT
ELECTRICAL WORKS, AND COL. T. S. SPRAGUE OF THE SAME CITY.

ANXIOUSLY WAITING YOUR RESPONSE,

I AM YOURS, AC.

Hugh Lamont.

-----PASTOR OF PRESBYTERIAN CHURCH,-----

*Enclosed please find one dollar
\$1.00, H. Lamont.*

Late Office of
B. Franklin Fisher
26 South Third St

Philadelphia, Mar. 16 1880

Thomas A. Edison Esq

Dear Sir

I have in my hands
for collection upon behalf of Mrs. Sargent two
orders amounting with interest - to about
seven thousand dollars - and these notes
are about six years old I will be compelled
to commence suit in order to preserve
the rights of the holder unless the same are
paid forthwith - I called to see Mr. Beff
about them - while he admitted their correct-
ness he found present inability and wanted
delay until present paym^{ts} should be de-
-termined - this I cannot do - this com-
pels me to insist upon their present payment
or being secured. Please let me know
your pleasure by return mail

Yours truly B. F. Fisher

Att^y for Mrs. Sargent

Phil Nov 16-50
B. Fisher and Nov 19, 50
(Don't copy get else same)

Nov 19, 50

~~The money is~~
~~Don't copy~~

I have never rec'd any money
from her I on these notes

they were made for the benefit
of the Austell Co. of which Mrs. S
was a large shareholder after the
purpose of paying debt due me for the
Auto Tel. Co. I can do nothing about it

J. C. REIFF.

No. 52 BROADWAY.

New York, Nov 18th 1880

* If Dr. J. A. covered by your Cornell aiding Small note or simply Related Parties -

My dear Edison

Yours recd

I send her Adams Express
the only copy I have of your
evidence in Quadruplex case,
w^h please preserve it & return
when th^ough with it.

You certainly have a complete
copy in your library, that is whether
page you.

The Index will show the pages of printed testimony to the effect that you got it all, you must read it all over, as questions relating back to dates concerning 99 & duplex are raised all through.

will the testimony be taken at your
pleas? I think I better be there & I
think J. G. Butler represent us in case
the work undertake to lead Lead to hear
found their interest in ^{your} ~~philosophy~~ ^{philosophy} ~~philosophy~~.

'Myrm

Nov 22 80

TA Wilson

Letter received dont reply to
Fishers letter till you hear
from me J. E. Reiss

J. C. REIFF,

No. 52 BROADWAY,

New York, Nov 27 1880

My dear Edisa

Yours of 19th, mentioning
letter of 16th concerning Leyfer's note
recd.

I did tell Fisher the note was
repudiated, but I did not admit the
liability either for you or myself.
I told him Leyfer had recd credit
for the amt & had not recd the
A & P stock, he would have recd
payment in that way.

I expressed myself in sympathy
with Leyfer's personal condition, but
said it was impossible for me to
keep him until I could reach
myself.

Be sure don't complicate yourself
by correspondence. Just write Fisher &
say you have referred the matter to
me, & that you are advised the note was
paid by crediting Leyfer with A & P stock.

Yours J. C. Reiff

P. O. Box 4185
George D. Prescott,
Vice President

Gold & Stock Telegraph Company,

Western Union Building,

New York, Nov. 23rd 1880

Friend Edison,

*After a long and tedious trial
we have succeeded in getting the trust
of our English Quadruplex Patents trans-
ferred from Mr. Otton to Messrs Lowrey
and Serrell.*

*The license papers are prepared,
and ready for our signatures.*

*As soon as the trust is recorded
in London we shall get our pay.*

*Please inform me when you will
be in town, and whether you will
call at my office or Mr. Soren's to
sign the license.*

Yours truly

George D. Prescott

[NOVEMBER 26, 1880]

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which have been assumed by the sender of the following message, and the sender can be removed therefrom only by stopping a message, in which, to the sending station for comparison, and the Company will not send such message for return to sender, under the conditions stated above.

A. N. BILLYE, Secy.

MORVIN GREEN, President.

Dated New York 26 188

Received at

To Dr. T. Edison

Can you tell me anything of
the use of electric magnetic
coils with their poles magnetized
joined where placed in a
main amplex line to overcome
static discharge I think you
have instructions to show. or
have you used it

C. L. Buckingham

Wm

21 Nov 1880

Answered by

Mr. said he did not read the message
it looks wrong

Chicago

READ THE NOTICE AT THE TOP

[NOVEMBER 26, 1880]

Buckingham -

If you have Copies of all
my Anaduplex Dextuplex
Duplex patents and
Cautions you will find
what you want in several
places, If you have not
Serrell has them or
you can come down here.

~~W. H. Serrell~~
Answer over

Gold & Stock Telegraph Company,
P.O. Box 4195,
George B. Prescott,
Vice President,
Western Union Building,
New York, Dec. 1st 1880

Friend Edison,

Your telegram received. I will go to Mr. Senell's office tomorrow at 12 o'clock as you request. I have seen Miller, and he will be on hand.

The papers in the English license case are all ready for your signature, at Mr. Loren's office. Please call there as soon as convenient and sign them.

Yours truly,
George B. Prescott,

Signed today

Good

I have an old professor for
5 wire Roman the
No. 52 BROADWAY
instrument to build a small

New York, Dec. 20th 1880

My dear Mr. Bell. Come over
at 1 o'clock you can get things
together. If you mean big

Chiff.

J. A. C.

Mr. Bell

Have you the drawings
of a complete self Quadraplex.
I wish to have instruments made
for two Quad circuits, which
will allow me to effect an
arrangement at once.

I also wish to have a complete
set of Roman letter machinery
made it need to work on 5
wires, as your two wire arrange-
ment has not been perfected.
Because I wish you would
have the Roman letter built
but if too busy, I will have it
done if you will give me
the drawings.

The 5 wire arrangement named
need only the simplest machinery
would need no experimenting.

Have you an old Roman letter
perfector? If you will help me now

We can rely on Bartolucci to make full of
instrument in instrument, if you
want to get it made for me
I will pay for my full

J. C. REIFF.

John H. Porter,
Governor of Texas,
Gen. Walter H. Hays,
Chief Justice of the U.S.,
Gen. H. H. Hays,
Wm. L. Hays.

P.O. Box 1836.

Porter, Lowrey, Town & Stone.

Attorneys & Counsellors at Law.

No. 3 Broad St., New York.

Dec. 21 1880.

Dear Mr. Cramer, I enclose with this a
copy of the license (original delivered to
Mr. Smith Dec. 10, instant) by Lowrey &
Smith, Executors, to English & American Insurance
for use of Goodrich's master patent of
January 10, 1878.

There was a suit brought, as I
suppose you know, in your name, and
I am, of course, administrator of Mr. Smith.
I have the most definite and positive
Lowrey & Smith, Appointee - as matter
of fact, from the master patent in the license.
Yours
J. H. Porter

P.S. I shall have to receive you about
the Spanish Electric Light patent.

file

My dear Sir Edison 24th

Have seen Mr. Swell about
the license. He says it will
cost \$100. Want Maj. Wilbur
prepare it. Reed leaves the
Country next Wednesday for Europe.
Please answer Prof. Ekblund
39 Can St.



WRITE THE ADDRESS ON THIS SIDE - THE MESSAGE ON THE OTHER

Chas A Edison
Dec 28

Chas A Edison Esq

Mr Cassan
Mr Edison roadster
herrell to prepare it.
Edw

24

T. A. EDISON.

(1880)
this
Morse ~~Pat. No.~~ J., _____ 1880.

My Dear Mr. Reiff -

I have nothing to do with the
\$ 50 per week matter, all that I
know is that Mr. Otis added
\$50. per week, to the \$100. which \$50. per week
~~Mr. Otis told me~~
~~understood~~ was to be paid you
for reasons of which I know
absolutely nothing about, all
that I know is that of the \$150. ^{matter}
I was to receive \$100 per week
and I have never received but
that amount, hence I have assumed
not one cent from the over which
you can claim as belonging to
you

Yours
T. A. Edison

T. A. EDISON,

Menlo Park, N. J., 1880.

Insurance Co.
Acoustic Telegraph. 44,000 labor, batch join, paid out over need 12,000 dollars,
besides had invested 75,000, which interest & depreciation counts & connects to patent.

Telephone cost 15,000, over what need for it, my own money

I need 90,000, 60,000, left in experimenting the whole of it,

Money not from Edison but from Acoustic, think there was 6
Connecticut patents, never got out of them

100 weeks for Clark here, King Edison man, supplies, models,
for application, telephone experiment, totally unaffordable
has spent over 8,000, on telephone experiment, almost entire
amount spent on 60,000, yearly, need from foreign countries.

5,000 Quind used to pay the man
who had worked on order from Otter, cost,
15,000, for experimental purposes, this spent
and 16,800 besides.

9,000 on account royalties,

9,000 royalties, f.c.
3,000 Quind
14,000.

Patents 15,000.	16,800 Extra
acoustic 10,000	12,500 Quind
25,000	29,300

T. A. EDISON,

Menlo Park, N. J., 1880.

Recd Well.

Quind - 5,000
Royalties to date say 9,000.
14,000.

Acoustic.
100 per week. 15,000
39,000.

Quind money paid to workmen on Otter's order;	5,000.
Acoustic...	10,000
Extra acoustic paid by me.	12,500
100 per week, 3 years.	15,000.
Extra paid by me.	16,800

39,000
39,000
20,300

In fact the Well Co owe me \$20,300. Besides the
royalties from the date of contract, \$9,000.
to say nothing of the promises by which the
mutual release was obtained, which remain
unfulfilled.

Memo by TRC
for W.N.

Memorandum
TRC
Regarding W.N. Co. &
royalties

Hi Richard

Hi Richard
I am at 1111 1st St. N.E.
I am at 1111 1st St. N.E.
I am at 1111 1st St. N.E.
I am at 1111 1st St. N.E.

To the Supreme Court,
County of New York.

Theodore M. Foote,
Charles F. Randall,
James B. Brown
against
Josiah C. Keiff

The plaintiffs complain and allege.

I. That they are the joint owners
of certain improvements in telegraphing
protected by letters patent issued to
said Foote and Randall, on or
about July 14th 1874, and January 18th
1876, and to said Foote on or about
May 27th 1877, and that since the
issuing thereof the plaintiffs have
been engaged in the business of applying
said inventions to actual use, and
selling to other interests therein & the
right to use the same.

II. That in pursuance of said business
and on or about Oct. 1878 the plaintiffs
were engaged in negotiations with
Thomas Rutter and Wilson Hastingsham
for a transfer to them of a one third
interest in said inventions and that
the terms of said transfer had been

so arranged that great profits and advantages would result to the plaintiff upon the consummation of said negotiations.

III

That while said negotiations were pending the defendant with the object of injuring the plaintiff and of breaking up their said business and destroying the value of said inventions wrongfully and maliciously represented to said Rutter and Mad-
dugham that said inventions were not protected by said letters patent, that they were infringements upon other and prior inventions of one Thomas A. Edison and further that in case said inventions controlled by these plaintiff were of any value that he, said defendant had made a contract with these plaintiff which would preclude these plaintiff from entering into any contract with said Rutter and Mad-
dugham for the disposal of any interest in said inventions or in the development thereof.

4 IV

That in consequence of said wrongful and malicious statements the negotiations of these plaintiff with

said Rutter and Waddingham were broken off by the latter and the consummation thereof in a valid agreement was prevented to the damage of these plaintiffs of Two hundred thousand dollars.

Wherefore the plaintiffs demand judgment for Two hundred thousand dollars, against the defendant.

Field and Bejo
Plaintiffs Attorneys.

Office & Post Office address 4 Pine Street
New York.

1880. Telephone - General (D-80-043)

This folder contains correspondence, agreements, and other documents relating to the domestic telephone business. Much of the material deals with carbon buttons that were damaged in transit. Other documents relate to the assignment to Western Union of Edison's patent for a relay using the electromotograph.

All the documents have been filmed.

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

The Company TRANSMITS and RECEIVES messages only on condition, limiting its liability, which have been assumed by the sender of the following message.

There is no liability on the part of the Company for messages sent by the sender of the following message, and the Company is not responsible for any delay in the transmission or delivery of the following message.

A. R. BREWER, Sec'y.

WILLIAM ORTON, Pres't.

Date NEW YORK 1/16 1880

Received at NEW YORK

to Mr. Edison

READ THE NOTICE AT THE TOP.

Menlo Park

Did you receive our

letter about telephone paper

(answer)

yes

I & Dillstrom

again

to

NO

50

NY 27/80

JA Edison

MS

Pls mail me today
printed telephone paper I
sent you

JC Reiff

to Mr. H. J.

(Jan., 1890)
Mr. Carmichael

Des. v. to Bergen.

How is it you do
not send any charts
He over for your Telegrams
We had to ship last week
without it today again
100 hundred.

Harry up to send
Also ^{sent} Telephones Bureau
wrote you last week
that we ant, have 3
inspectors and nothing to do
for ~~them~~
No 4 Fiabre

Walter Feltt
my

• "Newburgh Feb 3." 1880

Friend Edison

I was at your Laboratory on
Nov. 12th 1878. on model of an
improvement on Bell's Leaky to old
font and you gave me a letter
to Mr. Tenth of the Philadelphia
& P. B. N. City. one of the officers
said he would be pleased to see it
would pay the road to use it or
not. I have made an
improvement on the telephone and
have it in operation at my
residence can use the same
instrument in my shop every noon
and during hours I ask you if
you think it would not be a
good thing to advance the use

of the Librarian in private
residence. Articles lay
stoves and office would
to have you see it personally
and then I would make a
suggestion to you when you
are in New York city. You are
only 100 miles from my home
about 2 hours ride. The
H.B.P. would be pleased to
show the printing of it and
would like to hear your
answer in regular letters.

Yours L

Samuel S. Tenthredine

Newburgh

Oct

1874

Box 505

New York July 30th 1905
447th
Third Edition
New York

Please send me copy
estimates also for telephone
first telephone application

10 paid
Haf
Mary R. Edison

Godson has
the estimates for the
telephone installation
to be made by letter

Executive Office
Western Union Telegraph Company

New York Feb. 4. 5th 1880

J. A. Edison Esq.

Mt. Park N. Y.

Dear Sir

Please see the enclosure, and say what reply I
shall make to it.

Yours Respectfully

J. B. Van Buren

Atty. Vice Pres.

All instruments heretofore made were
hand turned and are in use in
England - except 12 motor telephones
for the London Times, these were
designed especially for the times
and they are not sufficiently perfect
for use in the hands of the public
never I cannot comply with the order
but ~~cannot send~~ the regular hand turned
~~instrument~~

5 Newport July 6.80 12:10 PM

Edison

Please mail us a
diagram of Mataphone
connections today

J M Phelps Jr

Spaid
H. C.

Feb 12 80

r Myr
T A Edison

How many of our brass
Carbon holders have
you on hand & of
what sizes

Geo B Scott
sup

5 small for 12 Buttons
Or 8 large " 24 "
H

~~True~~

P.O. Box 485

Gold & Stock Telegraph Company

Western Union Building

George W. H. Allen
Vice President

New York, Feb 20th 1889

J. A. Edison Esq

Manhattan

New Jersey

Dear Sir,

On the 1st of last October we ordered
from you 100 ~~sets~~ ^{sets} of telephones - none of these
instruments have yet been delivered and we
desire to know at once whether work has
been commenced upon them, and, if so, how
far such work has progressed.

Very truly yours,

George B. Prescott

Vice Pres

Say that I had no facilities to perform the
work and turned the order over to the ~~company~~
ref. who are working them and doubling 76
will furnish for the next Centennial,

T. A. EDISON.

Western Union
Mendota Park, N. J.

Feb 23.

1880.

Norvin Green Esq

Bread & Butter

In view of the fact that the Com. have
recently ^{reversed} a decision in favor of the ^{original} ~~patent~~
I desire to call your attention
to my patent No 158787.
filed in the Patent Off. Aug
13 1874. & allowed, issued
Jan 19 1875. This patent
was for the discovery of
a new and unknown action
of electricity by which
if Magnetism had never
been discovered we
could still work magnetic
Telegraphs. I have held
this patent for a long time

works and ideas with the hope
that some day I could
realize ^{from} the immense amount
of labor expended in

- Experimenting since 1872

on this curious discovery
shows your Co desire

to purchase the patent
I now offer it to the Co for
well ~~less~~ ^{at} one

hundred thousand

dollars; ^{which} an early reply

as to the acceptance of
offer open for 10 days for date
replied of the offer
will greatly oblige

Yours truly
J A Edison

Newburyk. Feb 27 82

Mr J. H. Edwin

I will be at Menlo Park
on Wednesday March 4th,
to show you a drawing of
my imprint in the ear
of the telephone if you can
possibly give me your time
to look at it for about
five minutes will be there
at 2 P.M. of Providence
friends

Yours

1120

Daniel S. Jewett
Newburyk. O. C. W. J.

Box 575

No. 1.

(Feb. 1885)

Norvin Green

Presdly you Tel my

Please remember that my
proposition was simply for
the sale of the 1875 patent

nothing more or less, ~~and~~
if the Co. think the price too high
~~and a price which time~~

~~will prove~~ ~~was~~ grossly
~~misstated~~ will be good that sells it

T. A. Edison

Sent

T. A. EDISON,

Menlo Park, N. J., *March 3^d* 1880.

Horvin Green

Presdt. W. M. Telegraph Co
N.Y.

Please answer in time
regarding refusal or acceptance
my proposition of 23^d

T Edison
R

(Sent)

T. A. EDISON,

Menlo Park, N. J., *Mar 3* 1880.

Dear Mr. Green

519-7 St

Washington
D.C.

Western Union accepts proposition
Wilbur will sign
agreement this week

T Edison

(Sent)

CHICAGO
800.832.4111

J. C. F. Jones

The work is all day,
but friction together & being
like horses put a number
of them together - and they
do fairly well, but not
so well as they should &
think

Yours truly,
J. M. Keefe

² My 6

Edison ms

Mar 6, 80
308

Dr Green will send Expert
down Monday to test that
Wilber

105A

7

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which here
has appeared on the reverse of the following message.
Messages are received and sent only by telegraph in accordance with the conditions of the Company, and the Com-
pany will not be bound to deliver any message by telegraph in accordance with the conditions of the Company.
The company has UNLIMITED LIABILITY and is not bound by the conditions of the company, unless the conditions
are made clear.

A. H. BREWER, Sec'y.

NORVIN GREEN, President.

Dated

New York 2/8

1880

Received at

1248 PM

Edison

Memlo Park

READ THE NOTICE AT THE TOP.

*Hamilton will be
down at two to
test motograph
for Dr. Green I will
be down later*

1724

Hilber

1704

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions, limiting its liability, which have been agreed on by the several States and Territories in which it operates, and the Company is not responsible for any loss or damage to property or messages transmitted by telegraph or otherwise. This message is an UNREPEATED MESSAGE and is delivered by request of the sender, under the conditions stated above.

A. H. JEWELL, Sec'y.

HORVH GREEN, President.

Dated

New York 3/8 1880

Received at

To J. A. Edison
menlo park nj

READ THE NOTICE AT THE TOP.

Our committee are so little advised about your patent and so little seems to be known of it amongst our experts that they beg to ask a further extension for examination and report upon it

W Green
pres

H. J.

Horvth Green

President

W. U. Tel. Co. N.Y.

Option extended until Saturday

J. A. Edison

Gold & Stock Telegraph Company,

20 Broad St.

Arthur Jones President
George H. Allen Vice Pres.
G. B. Prescott Secy.
Howard A. Butler Treas.

Western Union Building,

New York, March 10th 1880

Wm. A. Edison Esq.
Menlo Park N.J.
(Dear Sir)

You are hereby authorized
to sell to the National Bell Telephone Co. of Boston
all the "Carbon buttons" they may require

Yours truly
George B. Prescott
Vice President

Subject

Carbon Buttons.

GEN. L. BRADLEY, Vice-Pres. & Treas.

W. H. FORBES, President.

THE NATIONAL BELL TELEPHONE CO.

No. 95 Milk Street,

P. O. DRAWER 2.

THOS. N. VAIL, General Manager.

FROM DIVISION.

SALES (all cases)
to the Company.

BOSTON.

Mich 11th 1880.

In reply to yours 9th inst.

No. 7028.

Thomas A. Edison Esq

Menlo Park. N.J.

Dear Sir,

Mr Geo. B. Scott, Supt
of the G. & S. Tel. Co., advises us,
that you have been in the habit
of furnishing them with Carbon
Buttons for use on Edison Trans-
mitters, and that he has notified
you to fill our orders.

We should be
sincerely obliged, if you would
advise us the lowest price, at
which you would furnish these
Buttons to us in lots.

Yours truly,
O. Madden
Supt Agencies.

Executive Office
Western Union Telegraph Company

Norman Green, President

New York March 12 1880

See Edison's telegram
Folder 175A

My dear Mr. Edison:

Referring to your proposition to sell us your patent No. 156,787, issued January 1875, for a telegraph instrument to work without a magnet the subject was again before our committee today, and the report of Mr. Hamilton thereon.

Mr. Hamilton reported the instrument he used as operating satisfactorily and beautifully; but we are advised that that instrument had the attachment of the chalk cylinder, invented and patented by you in 1879, without which for some equivalent device, it would be impossible to make an instrument as sounder, and we have no means of knowing what value

March 1879-1879

That was in patent work

with full paper

only impossible

paper suggestion

the instrument covered by the patent
of 1875 may have for practical telegraphy.

For the whole of G
is referred to as
is immediately
assigned in pursuance
of the assignment
of the assignment
of the assignment
of the assignment

The chalk cylinder improvement
an invention patented in 1879. This
company is certainly entitled to have
assigned and transferred to it under
existing contracts between you and this
company, and it was the belief of
Mr. Pope, who is charged with the
duty of looking after patents, that
such assignment had already been
made. He finds that such assignment
was drawn and handed Mr. Sennell,
and reported by him amongst others
to have been made and his fee charged
therefor has been paid, but we have
not the patent in possession, and can
not find that it has been made.

For the whole of G
is referred to as
is immediately
assigned in pursuance
of the assignment
of the assignment
of the assignment
of the assignment

It should not only be fully assigned,
and put on record, but it should be
re-issued so as to cover its uses
for telegraph purposes, and as assigned

contract. Even more, I hold that the spirit of the contract embraces any unperfected inventions you had made not immediately applicable to Automatic Telegraphy, where such inventions are perfected by further inventions during the period, and under the operations of the contract when your shops are being run at the expense of this Company as thereby agreed.

(When a thing is patented it was supposed to be perfect.)

My shops are not run at the expense of the Co. it is but a little bit.

I think, therefore, that the brief time in which you offer us an opportunity to purchase your invention of 1875, without opportunity to make a trial of it sufficient to form any opinion of its value, at a price which is certainly a very large sum, and the threat to sell it to adverse interests to our detriment if we do not pay such large sum,

never threatened to sell it. I never let you know it. I sold it for what I like it. I thought I was offering it to the Company's interests to our detriment if we only sold it to you. I never said you were to buy it.

Theorem is actually for
 double, and I don't
 doubt with the Co.
 many believe that

is scarcely dealing with us in the
 spirit which both parties thought
 to be fair and equitable when the
 contract of March 1, 1877 was made.
 It was then thought that three
 months was a fair and reasonable
 time to operate and test the
 value of any instruments invented,
 but in this instance we are refused
 the use of an instrument here,
 and the only one our expert has
 been able to see operate was with
 such material improvements to
 which we are already entitled, as
 to make it a very different instru-
 ment from that covered by the
 patent of 1875.

My offer was for
 a patent of 10 years
 prior to the
 Co. Co.

We want to deal liberally
 with you, Mr. Edison, but our
 Committee feel that they cannot,
 as business men, appropriate so
 large a sum without some

definite information of the real value
of the thing they propose to buy,
and think you ought to give us
sufficient extension of time to ex-
amine and test it.

In view of the relations
between us, I do not believe we
should confine the price agreed to
be paid for it strictly to its intrinsic
value, and I think you will find
it your interest to meet us on
fair and liberal ground, and
not compel us to decline to
purchase anything of your inven-
tion in Telegraphy.

Respectfully and truly yours,

Horris Green

President

Thomas A. Edison Esq
Menlo Park,
New Jersey

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company's CABLES and DELIVERED messages only on conditions, limiting its liability, which have been accepted by the Board of the following members.
Accepted, in giving notice, and to receive a message back in the same form, for acceptance, and the Com-
pany will not be held liable for any loss or damage to messages or for any other loss or damage to the
messages or for any other loss or damage to the messages or for any other loss or damage to the messages.

A. B. BROWN, Sec'y.

MORVIN GREEN, Pres't.

Date

New York, Oct 13 1880

Received at

To J. D. Edison
Minli PH

READ THE NOTICE AT THE TOP.

McDowd is out
of town today will
be here Monday - Can
matter reach till then

G. P. Rink

16 Oct
Hof

WUTel N.Y.

Lowrey came out
and fixed matters
for a while, Edison

March 13 1880

Horvitz Green

Perst NW 26 co
ky.

We are arranged for
continuance of option until

twenty second will see
you on monday

Yr

G. P. Lowry.

14.

Subject: _____

In reply to yours of _____

WESTERN ELECTRIC MANUFACTURING CO.,
82-86 NEW CHURCH STREET,
NEW YORK.

CHICAGO,
MAY 28 1880.

Meek, 18/80
T. A. Edison Esq
Menlo Park N.J

Dear Sir: I fear the man
who has been here some days,
from your shop to adjust and
inspect metophones is hardly
up to the business — Mr. ~~Quinn~~
Called few days ago and him-
self suggested the same thing
and thought you would be
able to send some one else.
At the present rate of progress
it would be a long time before
delivery could be made —

Can you not send some
one who can get through
with more certainty and
despatch — for both your
interest and ours?

Yours Truly
Geo. M. Kellogg
Super

153 W-14 St

NY Nch 21 / 80 31

My dear Edison;

To my extreme disgust
I notice in today's Herald that Collins 'gives
away' the fact of your Photograph sale to
the W.U. and, as is generally the case
with reporters who don't understand
the subject, he has got it wrong. You
notice he says you sold the Electro-Photograph
without qualifying what part of it thus
giving rise to the impression that
the sale includes the Chemical
Telephone. Isn't this liable to
lead to some confusion? If so I will
write a correction stating that the
sale to the W.U. embraced the Photograph
only for telegraphic purposes.

Very truly yours

Truly

Edison in the

2

² New York 220

Me 22²⁵⁰
2 50

Thomas A Edison ms

Our agreement as to terms for your
photograph was reported to and ratified by
the committee and I am ready to close it up
with you as soon as the papers are
prepared. What day would you like to
come in and fix it up.

Norvin Green
Pres

4

Will come when ratified
papers are ready

Edison

75#

32#

Subject.....

In reply to yours of

WESTERN ELECTRIC MANUFACTURING CO.,
65-69 NEW CHURCH STREET,
NEW YORK.

CHICAGO,
220-222 State Street.

Mch 25/80

T. A. Edison &

Menlo Park N.J.

*Dear Sir: I am instructed
by Sup't. Scott to deliver
the Motaphone to the
G. & S. Co. Shall we
bill them direct to the
G. & S. Co.?*

*Yours truly
G. M. [Signature]*

(Apr 1880)

Do you know that
Telephones Nos. 127 & 137
have ^{not} ~~been~~ given to Bentley Ave.
And Nos. 138 & 149 to Barker
Phila. ?
— H.

My May 24

A. Beach

May 25

OFFICE OF THE

O. S. MUNN,
A. E. BEACH

Mills - please get two
very good telephone ready
to start, then give to the
Scientific American
I will call up today
Mr. Beach that I have to
put them up to replace the
New York, May 24 1880

Then which you will
see by the letter don't
Dear Mr. Edison,

Work well
I leave the best one here &
I tried your speaker
bring the other back
yesterday at my house 71st and
got Mr. Beach's voice from Brooklyn
quite loud, but could not make
it articulate distinctly. It would
only tot.

You kindly suggested the other
day that you would send a man
over with two or three chalk
cylinders and adjust it properly.

over

If you will do so this week, so
I can have it ready to try Sunday
next I shall be greatly obliged.

Will have the instrument here at
office.

I enclose proof of Selenium
Transmitter which has some
curious elements, and may prove
suggestive to you in some direction
or other.

Sincerely Yours

A E Beale.

J. A. Edison Esq

OFFICE OF
New Jersey Rubber Shoe Co.
MANUFACTURERS OF
Boots, Shoes and Carriage Cloths.

New Brunswick, N. J., May 26th 1880

Mr. A. Edison Esq
Orlin

Will you kindly send
an experienced person to examine
our phones - the 'bell' does not
work, circuit always closes
afterwards & we are
to pay you for services rendered - in
part & for what you may do
for us in future -

Yrs Resp
N. J. Rubber Shoe Co.

By sending bill will be most coming

Subject,.....

Mataphones.

W. H. FORBES, President.

WM. R. DRIVER, Treasurer.

THEO. N. FILL, General Manager.

Address ~~of the company~~
to the ~~company~~

THE AMERICAN BELL TELEPHONE CO.
No. 95 Milk Street,
P. O. DRAWER 3.

STORY DICTATION.

I can send you a man ^{BOSTON} May 28th 1880.

who can teach your people ^{in reply to yours}

all about them. I also put these in order you

Thos. A. Edison Esq. have - will be glad to
see you at Menlo Park any
time,

New Jersey.

My dear Sir,

We have quite a number of your Mataphones, which were turned over among the other plant of the Gold & Stock Tel. Co., but have not succeeded in making them work.

Will you please advise us fully in regard to the same.

As soon as possible, I desire to have a personal interview with you, in regard to your form of Transmitters, and get your personal views as to the best forms for general use.

It will be exceedingly difficult, and very expensive, to keep the many forms made, in general use, and some of the best should be selected for that purpose.

Alvan Star
Spartan, Minn.

Yours truly

Phila., May 31st 1888.

Dear Sir,

During the course
of my experimenting, with
various styles of Telephone
transmitters, I find great
difficulty in obtaining
soft carbon of the high
conductivity, which you
possessed. If you will
kindly favor me with
a small quantity of
your carbon, you will
greatly oblige

Yours Very Truly

To
J. A. Edison Esq.
Mentor Park

Chas. C. Harris Jr.
233 Pine St.
Phila. Pa.

Mr. Carman

W. T. Hedden

To send us an other blood
Diamond for finding others
if he does not remember exactly
how the first was to let us
know and will try to spare
ours for a day or two for
a sample

Written T. C. C.

- June 3rd, 1880

Newark, N. J.

June 7th 1880.

Dear Sir,

Yours of 3rd was duly recd.
The diamond point is finished.
and in the exact shape of the first
one furnished. I will bring it
down Tuesday morning.

Truly
Yours &c

W. E. HIDDEN,
Mineralogist

Geo. S. Ladd, President.
Jas. Gamble, Vice President.

M. Greenwood, Treasurer.
Jno. I. Sabin, Superintendent.

Gold and Stock Telegraph Co.

Of California.

OFFICE, No. 222 SANSOME STREET,

San Francisco, 27 June, 1879.

J. A. Edison, Esq.,
Menlo Park,

Dear Sir:

Referring to enclosed bill, just received, I beg to say that when we first telegraphed to ask the price for carbon powder, you quoted (through Mr. Walker of the G. & S. Co.) \$16. for powder for 500 buttons, and you invoiced the first shipment at that price. You will observe that this bill is greater for the same quantity. I presume it is a clerical error, and if you will forward corrected bill I will remit with the bill for 2,000 grains ordered by telegraph yesterday.

By the way, this lot only yielded 340 buttons of five grains each - that being the same weight as the complete buttons which you formerly shipped us.

We have been very successful with the carbon telephone; it is very popular.

Truly Yours,

Geo. S. Ladd
President.

must have been some waste as we sent you only 310 milligrams

to know why also have been inquired for buttons we have been using. When I saw the bill I was very angry. I put it upon a chair, made some notes, and then wrote a note to you. I am sure you will be satisfied with the result.

4 buttons lost
which we
charge 30 dollars
plus making
900 dollars

W & Hadden
June 24

File
Ward Diamond

New York, N.Y.
June 24th 1880.

Mr. J. A. Edison.

My dear Sir,

I send to you
herewith a new Diamond
point for turning Chalk.

The one I promised to repair
and return in good order,
proves to be of not fine
grain enough, to receive the
edge you desire it to have.

I hope it will now do the
work well & otherwise suit you
and Mr. Krue.

Please find herewith two (2)
yellow Diamonds for the
experiment you wished to try;
they are from Brazil, and as you
see, are in their natural rough

state & my yellow.

The additional work on the
Diamond print cost \$2.00, &
the cost to you of the two
yellow diamonds & will be \$2.00
for all of which I enclose a bill.

I will be on the lookout
for material for the completion
of the Cubic collection of gems
at all times. The Diamond,
Ruby & Sapphire will cost, if only
12 carats, not at least \$30. each.
The gems aside from these will
all come in, I think, on the
estimate.

I start tonight for the South.
Send check for bill \$4.00 to my
Newark, N. J. address, No. 373.
Clinton Ave.

Yours Very Truly
W. L. Hidden

- (June 1880)
- I Put the flat side of the shell ^{round piece of} against the piece of wood in the chisel, face off the end and ^{short} ~~commence~~ the hole with the flat center.
 - II Turn the shell over ^{Turn} ~~face~~ to gauge ^{with flat center} start the hole (run drill through Put chisel on sleeve & hand drill & turn it down with the hand tool within a $\frac{1}{32}$ of an inch to the right diameter.

*

III The Diamond holder ^A should be set at the angle to the ~~center~~ ^{center} as shown in Fig 1

V Set the Diamond as much above the Centre as shown in Fig 2

* ^{III} Use the Diamond only to take a very small finishing cut as it would break off by taking more than 1/32 of an inch

Subject, _____

Utophone

W. H. FORBES, President.

Address all communications
to the Company.

WM. E. DRIVER, Treasurer.

THE AMERICAN BELL TELEPHONE CO.

No. 95 Milk Street,

P. O. DRAWER 2.

THOS. H. VAIL, General Manager.

FROM DICTATION,

BOSTON, *July 10th* 1880.

In reply to yours _____

No. *✓*

Thos. A. Edison Esq.
Menlo Park. N. J.

Dear Sir,

*Will you kindly send
a man on here, to instruct our
people in the adjusting and proper
working of your "Utophone"?*

Yours truly
Thomas
Epie Vail

WESTERN ELECTRIC MANUFACTURING CO.

220-232 KINZIE STREET,

CHICAGO.

NEW YORK,
62-64 NEW CHURCH STREET.

JULY 15, 1879

T. A. EDISON ESQ.,

MENLO PARK

N. J.

DEAR SIR:---

THE CARBON BUTTONS THAT YOU
ARE SENDING US NOW COME VERY BADLY BROKEN.
THEY ARE PACKED BETWEEN TWO LAYERS OF COTTON,
WHEREAS THOSE FORMERLY SENT US, WHICH WERE
PLACED FLAT ON THE WOOD, AND PACKED WITH
COTTON ABOVE THEM, PRESSED DOWN TIGHT, CAME
THROUGH IN VERY GOOD CONDITION.

PLEASE HAVE A RETURN MADE TO THE FORMER
MODE OF PACKING.

YOURS TRULY,

WESTERN ELECTRIC MFG. CO.,
W. E. D.

WESTERN ELECTRIC MANUFACTURING CO.

68 to 68 New-Church Street.

MEMORANDUM

NEW YORK

July 23 1880

W. L. A. Edison &

Menlo Park

I send you a magneto call box for Mr. Rose to try - especially with reference to the Generator. The accessories switch - mode of Connection &c. can be made to suit -

Yours truly
J. M. Keck
J. M. Keck

Wm & Roy G. Phelps

July 24

1 Henderson Bros. 500.

J. O. Hooten ^{bill}

Malone

July 25

3360
1200

3063
2405
8213
1688
1099

1579
6304
6674

6675

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which have been assumed to be the order of the following messages.

It is the policy of the Company not to be liable for errors or delays in transmission or delivery of telegraphic messages.

This message is an UNREPEATED MESSAGE; and is delivered by request of the sender, under the conditions stated above.

A. H. GREENE, Sec'y.

NORVIN GREEN, President.

Dated New York Aug 7th 1880

Received at Chicago Ill.

To J. A. Edison

M.H.

READ THE NOTICE AT THE TOP.

Will send working
drawing for Transmitter
today.

C.H.H.

7 paid

9.6 Am

Edison Copy

Memorandum of agreement made
this Eleventh day of August
Eighteen hundred and eighty
made by and between Chester
H. Bond of the City of New York
of the first part and Thomas
A. Edison of Menlo Park State
of New Jersey of the second part
witnesseth

Whereas the said party
of the first part has made a
new and useful improvement
in electrical signalling apparatus
and for which he has applied
for two several letters patent
of the United States by two separate
applications one of which was
filed on the thirteenth day of
November 1879 and allowed by
the Commissioner of Patents on
the eighteenth day of February
1880 and the other filed on
the fifth day of May 1880
and allowed by the Commissioner
of Patents on the ninth day of
June 1880 the two comprising
an electric visual indicator
for all signalling purposes

and whereas the said party
of the second part desires
an interest therein so far as
the same can or may be
used in connection with
Telephones

Now therefore the said
party of the first ^{part} ~~partly~~ agrees
for and in consideration of
the following terms and conditions
to give said party of the second
part an undivided two thirds
interest in the inventions already
described so far as they can be
applied to the Telephone and
for no other purpose

The said Edison party of
the second part agrees to furnish
the money to make such
mechanical modifications or
additional devices which may
be necessary or desirable to demon-
strate that these inventions are
suitable for Telephonic signalling

Said Edison further agrees
to furnish the money necessary
to patent the above described
inventions in all countries which

he may think desirable where letters patent have not already been applied for and to secure patents in the United States on such additional devices as may hereafter be perfected in connection with this invention for Telephone uses which may be deemed mutually desirable.

But it is understood and agreed that all patents to be applied for hereafter in connection with this Visual Indicator system in the United States or in all foreign countries shall be applied for in the name of and issue to the party of the first part.

It is mutually agreed that the said Edison shall have charge of all negotiations for the sale of these inventions for Telephone purposes in this and all other countries.

And the said Pond agrees to execute all proper and necessary licenses when the said Edison may require them.

The said Edison further agrees to diligently seek to introduce and market the inventions as adapted to the Telephone without unnecessary delay.

It is further agreed that the said Edison shall pay over to said Pond one third

of the net proceeds of all sales made after
first deducting the cost of all exhibition apparatus
used in foreign countries for negotiating the sale
of foreign patents

And it is mutually understood that any
and all income directly or indirectly arising
from the enjoyment of any licenses under
the above patents either in Cash or its equivalent
shall be divided in the above proportion and
said Edison hereby agrees to pay over one third of the
same to the said Bond within ten days
after the receipt of the same by him

It is further agreed and understood
that this contract applies and is to be of
force in all countries and nations of the
world excepting England and France

In testimony whereof we have
hereunto set our hands and seals to these
articles of agreement in duplicate this eleventh
day of August 1880

Chas. H. Bond

In presence of

Thos. A. Edison

William H. Bond

By further agreement entered into between us
the parties to the hereto attached agreement
England & France are included in said
agreement as executed by us on the eleventh

Contract
6 1/2 Pond vs 7 A Edition

Telephonic Indicator
Aug 11/1890.

Ray of August 1880 and the provisions therein
in the last paragraph paragraph reading
as follows "excepting England and
France" is cancelled therefrom and the
said paragraph and agreement is to be read
and interpreted and acted upon as though
such words of exception had not
therein existed 880

Given under our hands and seals this fourteenth day of August 1868
In presence of
Samuel M. Carter Clerk to said Court
Thos. A. Edison

Memorandum of Agreement made
this seventh (11th) day of August 1880
by and between Thomas A. Edison
of Menlo Park N. J. party of the
first part and James U. Macbuzie
of the same place party of the
second part Witnesseth

Whereas the said Edison
party of the first part has this
day obtained through the efforts
and assistance of the party of
the second part an undivided
two thirds interest in Ponds Electrical
Visual Indicator as applies to Tel-
ephon use only, in the United
States and all foreign countries

Now therefore in consideration
of said services rendered and to be
rendered by the party of the second
part in connection with the working
up of a proposed system of
Telephonic Signalling, the party
of the first part hereby agrees
to give to the party of the second
part an interest equal to one ~~ten~~
twelfth part of the whole and
agrees to pay over to the party of
the second part his proportion
of the net proceeds after deducting

all necessary expenses in the same manner as provided in the Contract between the party of the first part and Chester H. Pond bearing date of Eleventh August 1880.

The party of the second part hereby agrees to do all in his power to hasten and facilitate the early completion of a reliable and practicable system of Telephonic Signalling and to devote his time and attention in connection with putting up and exhibiting the instruments to an extent necessary to effect a sale.

In witness whereof we have hereunto set our hands and seals this eleventh day of August 1880.

In presence of
Wm. Cannon

H. A. Edin

Immaculatus

23

23

1002 NY Aug 14 50
C.H. Pond
Norms.

If convenient please
have our contracts
fixed by an addition
so as to include
England & France and
send them in by
MacKenzie, Monday as
I leave at 5 P.M.

See Back Side

Ok file 39 Annul Rt
Telephone Indicators New York Aug 14
Thos Edison Corp

Dfr:- I am making a
small indicator which
will be specially adapted
to Telephone use.

It will be infinitely
ahead of the one you
have in perfection and
looks. When it is
finished, I will let you
have it in place of

the one you now have.
I shall not be at meals
again for several
days - Very Res

J. H. Paul
Am going to Boston Monday
Return Friday or Saturday.

Memorandum of Articles of agreement
entered into between Chester H. Pond of
party of the first part and
Thomas A. Edison party of the second part.
Whereas, the said Pond, party of the
first part has made certain new
and useful improvements in means
for indicating visibly signals transmitted
from any one of a series of signalling
boxes placed in an electric circuit,
especially adapted for use with "Fire
Alarm Telegraphy" and designated
a "Fire Alarm Indicator" and which
consists primarily of disks or wheels bearing
numbers or characters in their peripheries,
combined with all motive power,
releasing devices and stopping devices,
so that, upon a signal being sent
in from a numbered signal box,
the disks are released and then stopped
so that the number or symbol of the
signalling box is displayed by the
disks or wheels through a proper aperture.
For which said Pond has made several
applications for Letters Patents of the
United States, covering the devices and
combinations used in the Indicator.

2

And whereas said devices and combinations may be modified so as to be useful for other purposes, for instance as a hotel annunciator, or as a telephone indicator in the central office of a telephone exchange system, and other analagous uses

And whereas, the said Edison party of the second part, is desirous of having the devices and combinations adapted to such other uses as above referred to and of acquiring an interest therein.

Now, this indenture witnesseth that in consideration of the mutual undertakings hereinafter noted and for the mutual benefit of both parties, The said Edison, is to have full control of the said invention for all uses and purposes, to which said invention may be used, adapted, or applied, excepting what is now ordinarily known as Fire Alarm Telegraphy, in and to which uses and application the said Bond reserves the whole right.

The said Edison, party of the second part, agrees to furnish the needed facilities and material (at Menlo Park N.J.)

For the necessary experiments and models, in making modifications or adaptations for the other purposes noted and for suitable tests and exhibitions thereof.

The said Edison, partly of the second part further agreeing, to advance all such sums of money as may be necessary in carrying out this agreement, both in modifying, and adapting the invention for the other purposes noted and in securing proper patents protection thereof, and in securing its introduction or sale.

The said Edison, having full control for the other purposes noted, is to diligently seek to introduce and market the invention as adapted to the other purposes noted for such sums and payable in such way as he may judge best.

The net proceeds, after deducting all expenses chargeable to the same from the gross proceeds, are to be divided in the proportion of one third to said Pond and two thirds to said Edison. The said Pond agrees, to diligently strive to make such alterations, modifications

1
And changes as may be needed to adopt
the invention to the "other purposes noted"
and to sign and make oath to and
execute all necessary papers for securing
patent protection therefor in all such
countries as said Edison, may designate.
Said Pond further agrees to at any
time, sign, seal and deliver, to said
Edison, upon said Edison request,
Such licenses or transfers or
assignments as may be necessary, to
fully carry out the intent of this
contract and to secure said Edison's
right, thereunder.

It is further agreed that, this
contract applies and is, to be of force
in all countries and nations of the
World.

In testimony whereof we have
hereunto set, our hands and seals
to these Articles of Agreement, in
duplicate, on this day of August 1880

In the presence of.



BRIGGS HOUSE

Cor. Randolph Street and Fifth Ave.

J. H. CUMMINGS, Proprietor.

Chicago, 9/24 1880

Thos. A. Edison, Esq.,
Munc. Park, N.Y.

Dear Sir:

Will you be kind enough
to inform me what you will
charge for five or ten lbs of Fair
Lump Black Carbon, for experimental
purposes?

Yours truly

W. H. Van Orman,
#34 Dunning St.
Lake View, Ills.

The Carbon we make
for Celestine is excessively
costly it would take
us three months to make
ten lbs + take 25-66¢ of
oil - only $\frac{1}{10}$ of 1 percent made
is suitable for Celestine

Savoy House
Oct 11th 1880

Dear Sir,

During the last month I have been unable to experiment on the cable with the Chalk Cylinders you kindly gave me in June.

I found on making one at the end of a telephone that it only sounded when the negative current passed through the chalk from the axis to the insulation the positive current having no effect unless passed through in an opposite direction.

I therefore constructed an instrument as per diagram. The cable was connected to the centre of one chalk & the earth to centre of the other, the bridge across was of ebonite faced with palladium. The rubber wheel gave a steady pressure & allowed the bridge to move without

other friction than that caused by the chalks, which moving in opposite directions counter-act one another when no current is passing.

I can get a strong action with the cable current everywhere it is reversed, but it will not show the fall of potential when pos or neg currents are sent concentrically, & as you know in cables of 100 miles or more, the pos & neg currents when ^{concentrically} sent never fall more than one third of their initial potential, and to this slight cause the motion must well not respond. When it is worked with an almost infinitely small current by an ordinary cable key, it works finely because the chalks are short circuited between each current, but if not so short circuited the bridge will not return to zero till after a lapse of $\frac{1}{2}$ second or so, from this it would appear as though the forces formed by the current

Don't know what time it recombines
when the circuit was either left open
or was of a high resistance such as
10,000 ohms. When a Minette cell
& 20,000 ohms are used in the battery
circuit of an ordinary cable key the
instrument works perfectly, the challo
being in short circuit between every signal,
but if the 20,000 ohms are in the
line circuit the movement at first
is very small (on sending successive on &
off currents) and soon the bridge is held over
stably. I am still working on it but
so far have been unable to overcome
the difficulty. The resistance of the instru-
ment from axis to axis when stationary
(the challo being only half inch in diameter)
is about 100,000 ohms, & when the challo
revolves it goes down to 20,000 ohms

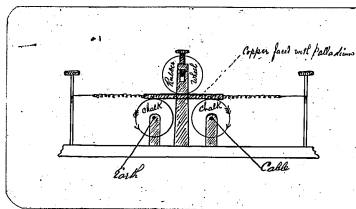
Have you tried an induction coil.
putting chick in secondary.
I pack & ship you a telephone
for trial working Morse as well as
Julesburg ready by sound
by trial under various conditions.
a phetina paint in center of
disappearing ought to open & close

Current if you are strong
When you ^{have} ~~use~~ to make a relay
I have found with certain
adjustment and conditions that
the lever moved slightly
seeming to require times like
Electrofusion & at other
times under different
adjustments & conditions it
would ~~actually~~ open & close
the circuit with extreme
rapidity & I have made it
a self vibrator - it
actually gave vibrations
so rapid that I would
whistle so shrill as
to nearly perceive you

6/24/24

Ear
just a question of experiment
class culture
11/18/50

[ENCLOSURE]



NY 19
T. A. Raison

Have heard nothing from
you. Suppose those papers
you signed are all right
X Mark accordingly

New York, Dec 7th 1880.

Prof. T. A. Edison.

Menlo Park N.Y.

Dear Sir,

Will you please
let me know if you will undertake to
repair two Motophones - which I have
borrowed for exhibition. They do not speak
very well - at least not as well as some
you have loaned me. Something seems to
be the matter with the Chalk cylinders
which is beyond my skill to adjust. We
wish to show the Motophones at a lecture in
about two weeks and want them to appear
to the very best advantage. Please advise
me if you can and will do anything to
them. and if so I will bring them to you

Yours sincerely

C. E. Colby

Bring them down

Subject,

Edison Carbon Buttons

W. R. DRIVER, Treasurer.

W. H. FIERCE, President.

AMERICAN BELL TELEPHONE CO.

THEO. H. VAIL, General Manager.

NO 95 MILK STREET.

B. O. DRAWER 2.

Boston: December 18th 1886

In reply to yours of

Nov.

Thomas A. Edison Esq.

Meriden Conn.
N. J.

Dear Sir

It seems to us in view of the fact that the Edison Carbon Buttons are necessarily made so soft that they are constantly being broken, and new ones required to take their place, in order to keep the Edison Transmitter up to its standard, and that the call for new Buttons is constantly on the increase, to an extent that is becoming quite a matter of expense, we feel that you should supply us with them, at a less price, than we are now paying you, which is \$5.00 per hundred, which must be far above the actual cost.

Hoping to receive a favorable reply, as we desire to order some 500 of these Buttons we remain

Yours Truly

Thos. N. Vail Esq. Manager

When you come to N. York a gain come to Meriden
Park after you have seen how they are made & if
you think the price too great will reduce it
A Carbon button is never broken in a well
made transmitter. They will last a Century. Putting
made a fragile button in a fragile holder made by a batch of coming
big as a thumb

0321-Pl. 573. 100
J. H. F. 100
03-10 0376 (600)
J. H. F. 100

Directions for Wetting Chalk Cylinders

All chalks must be allowed
to soak one minute in distilled water
^{and} drained from 20 to 24 hours under a
bell-glass.

One bucket full of distilled water
on each side of the tank is suffi-
cient when the chalks ^{become} dry.

Instructions for Using the Telephone

The ~~Call~~ ^{Call} - Press on the button
on the right of the telephone
three or four times and wait
for an answer. The person answer-
ing will press the button on the
right of his instrument in a
like manner which will ring
the bell of your instrument.

The person speaking to
whom he has answered the call,
should turn the handle of the re-
ceiver.

To converse as soon as your call
is answered press down your
button on the left ^{until} you
have finished speaking. ~~the~~
Then remove the receiver from

the button and turn the handle.
The buttons should not be work-
ed while you are receiving.

of direction
for many cases
J M C
1880

1880. Telephone - Carbon Button/Chalk Cylinder Orders (D-80-044) [not filmed]

This folder contains correspondence, orders, and other routine documents relating to the carbon buttons and chalk cylinders used in Edison's telephones. The buttons and cylinders were made at the Menlo Park laboratory and were supplied to the Western Electric Manufacturing Company and to S. Bergmann, the firms that were manufacturing the telephones. Some were also sent to the Gold and Stock Telegraph Company, which leased Edison's telephone in the United States and Canada.

1880. Telephone - Edison Telephone Company of Europe, Ltd. -
Accounts (D-80-045) [not filmed]

This folder contains accounts, bills and receipts, and a list of payments made to patent attorneys. Related material can be found in D-80-048 (Telephone - Foreign - Europe).

1880. Telephone - Foreign - General (D-80-046)

This folder contains correspondence, agreements, and other documents relating to the marketing of the telephone in Canada, Latin America, Europe, Asia, and Australia. Some of the documents deal with Edison's foreign telephone patents.

Much of the correspondence is in the form of cable messages. Code names were frequently used for the authors and recipients of these cables. The following is a list of the most commonly used cable codes:

Menlo Park London
Phonos

George E. Gouraud
Edward H. Johnson

All the documents have been filmed except for duplicate copies of correspondence.

6 Lombard Street E.C.

London 8th January 1880

Wm A Edison Esq

Manito Park N.Y.

My Dear Edison

I enclose despatch of the following cable:-

Cable approval invention Edison Electric
Construction Company Limited for
"manufacturing and working telephones and
countries having no patents. No liability
yourself."

I am sorry you have not yet replied
to this as time is important. I have not
felt like acting in the matter without
your approval although I might better have
done so as time is important and second
there can possibly be no objection to the
use of your name as I proposed. As Johnson
has explained to you it must take some time
to get the Patents for the specialties which I
am to work, chiefly owing to the great
delay in getting the first Patent drawn
which must be done in the light of the
present state of the invention. Thus they
are working on but in order to hold many
of the countries against the opposition
it will be necessary to occupy the field
immediately with Exchanges. As this involves
the use of considerable capital and of 20

much organization. I have thought it best
as a preliminary to put in an application
immediately everywhere under the name
of the Edison Electric Construction Co.
pending the formation of separate Companies
for each country which ^{companies} cannot be formed
until there is something to assign to
them, which there is not of course until
the Patents are secured. This is the prime
object of the Edison Electric Construction
Company. The manufacture of incandescents
is altogether secondary but this is a
subject which it will be necessary to at
least take up. I see an increasing feeling
on the part of the London Company
against the inconvenience of getting
incandescents so far from home and my
opinion is that it is only a question
of time when the incandescents will have
to be made here or practically made here
put together at least making such parts
as may be made ^{made} cheaper ~~made~~ in America.

Provide this with the Electric Light
then will be a large business to do down
in countries where there are no patent
laws or possibility of obtaining any
security. Of course the light will be as
valuable in the countries without Patents
as the countries with them and it is

my intention, to employ their funds
for our joint interests

Upon the receipt of this cable the
word "approval" so that I may ~~be~~ ^{be} ~~no~~ ^{no} ~~int~~ ^{int}
~~no~~ ^{no} ~~any~~ ^{any} ~~see~~ ^{see} ~~be~~ ^{be} ~~worked~~ ^{worked} ~~in~~ ⁱⁿ ~~conflict~~ ^{conflict} ~~with~~ ^{with}
any of your other Companies

Yours very truly

Wm. B. E. E. E.

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and RECEIVES messages only on conditions, limiting its liability, which have been transmitted to by the sender of the following message.
Messages sent by telegraph are not to be received by the sender of the message, and the Company will not be held liable for any or all loss or damage in transmission or delivery of the above mentioned messages.
This message is a CONFIDENTIAL one and is delivered by request of the sender under the conditions above stated.

A. H. BREWER, Sec'y.

WILLIAM ORTON, Pres't.

Dated

Received of

To

New York 7/15 1880

Edison

Wm. B. Park

READ THE NOTICE AT THE TOP.

Please have sent at
an early a day
as practicable to P. O.
Gibborne Luff Ottawa
Canada one Edison
telephone with Electric
motor sending him
also bill for same
Norwin Green

31st

To prevent loss, please make remittance by Draft, Post-Office Order or Registered Letter.

L. G. TILLOTSON,

E. S. GREELEY

L. G. Tillotson & Co.,

Manufacturers, Importers and Dealers in

Railway and Telegraph Machinery and Supplies,

Car Upholstery and Trimmings of every description,

Nos. 5 & 7 Dey St., (P. O. Box 1714.)

In reply to yours

New York, Jan 15 1880
J. A. Edison Esq
Menlo Park
N. J.

Dear Sir

One of our customers in South America wants two sets of Chalk Telephones with all instructions to take with him on ship tomorrow if possible.

Please Telegraph us as early as possible in the morning. Price for two sets and when they can be had.

If you have them here please send in two sets complete with instructions and telegraph us that you are doing so.

Yours truly
L. G. Tillotson
E. S. Greeley

Executive Office
Western Union Telegraph Company

New York Jan^y 16th 1880

J. A. Edison Esq

Dear Sir

Write Van Every
I say that we need to

Comply with the
order but it was
impossible as the clockwork machine
was made for the London times by
measurably for
cannot be made in London before
opening parliament

Dr Green has requested me to look after that
matter of sending a small telephone with Electric Notes to
the Canadian Government at Ottawa. Within a very few days,
Mr Gistane acting for the Canadian Government, will deter-
mine what Telephone will be adopted and put into use for gov-
ernment purposes; and he is extremely anxious to obtain at once
(and he emphasizes the importance of obtaining it at once) one of
the telephones I mention; saying that if it is to be a week or
ten days before it can be received then, it will be of no use. He
insists strenuously upon the importance of this having it, because
of his friendly interest for this company and the Montreal
Company, and the probability that if he has it, it will be the
one adopted; and thinks that rather than let the opportunity
slip away because of even a short delay, it would be better to

take one of the twelve that he says is about to be shipped
to London; and send to him.

Yours Respectfully

J. B. Van Buren
Asstg. Vice Pres

McIntosh & Co.,
Shipping
—AND—
Commission Merchants,
Yokohama & San Francisco.

San Francisco Jan 19th 1880
J. A. Ellinger Esq
Menlo Park

Dear Sir

Your favor
of Jan 12th to hand.
Our Mr. Ingersoll will leave
here for Japan on the 1st of
Feb. on his arrival will at once
look into the matter will then
communicate with you again.

Yours very truly
McIntosh & Co.

Respectfully
Yours in
Japan

WESTERN ELECTRIC MANUFACTURING CO.

62-68 NEW CHURCH STREET,

NEW YORK.

CHICAGO,
220-222 KINROSS STREET.

January 19

Can't tie myself up
Thomas. M. Edison yet - get your parts,

Dear Sir - ~~producing~~ means for

Now you please sign that
enclosed paper, and return to me, if acceptable
to you. I have a fellow in town, I think I
can make a good arrangement with.

They would be good responsible parties,
and such as would do you credit.

On the Australian, Japan, and this (if
I can secure it,) I would like to have you
arrange a small Commission for me, out of
your Royalties. Think it over, and whatever you
consider fair, make an agreement with me.

I don't want to be egotistical, but I really
think, I can negotiate matters for you, as well
as any one else, if you will give me a chance.

I have arranged my Southern matters to
come out with \$75,000. Let me hear from you

Yours fraternally,

D. M. Lounsbark.

WESTERN ELECTRIC MANUFACTURING CO.
62-68 NEW CHURCH STREET,
NEW YORK.
CHICAGO,
220-232 NINTH STREET.

I am talking Legendre up to the point
of sending out One hundred sets to Japan
about now. I know he will do it, and perhaps
go himself.

I telegraphed Nelson, his answer is
delighted, and will leave on February 28th.
Now have got good solid people on the
Australian scheme, and that man Saffray
is a keen one.

Don't forget me if you have anything
new, or a matter that you want worked up.
I am always on hand, and ready.

D.H.L.

WESTERN ELECTRIC MANUFACTURING CO.

62-68 NEW CHURCH STREET,

NEW YORK.

CHICAGO,
222-224 N. WABASH STREET.January 19th

I hereby agree to give Dr. Hancey N. Londerback the exclusive right, to negotiate for the introduction of all my Telegraphic innovations in the Indian Empire, such right to continue for one year from date, in the event of his not arranging with ^{responsible} competent parties by that time, this privilege to be canceled.

The understanding is, the parties with whom Londerback contracts shall buy their Instruments of the Western Electric Mfg Co, at Eleven dollars per set, and I shall receive in addition ten percent, added to the purchase money, and ten percent on materials sold. The Western Electric Mfg Co, to collect their Royalties for me.

In the event of the sale of the Patents, I am to receive Thirty ^{or} per-cent, of the gross amount, so received from the purchaser, by parties contracting through Londerback.

On the acceptance of these terms, by responsible parties, I will execute a formal Contract. The above terms are mutually agreed upon.

Dr. Hancey N. Londerback.

Office Brown Bros & Co
New York N.Y. 9 Wall

Jan 22 1880

Mrs A. Gordon Esq.

Manhattan

D Sir. I agree to

In making
out the formal
contract for Japan
between us I would
suggest that you
allow me to visit
two years in lieu
of one. I have been

Considering the
time I am con-
vinced that it is
too short considering
the circumstances

I am sure you
will agree in the
suggestions of my
suggestion & let
me know by return
of mail. Yours
resp Wm. C. Scherer

WESTERN ELECTRIC MFG. CO.,

330-332 KINZIE STREET,
CHICAGO.

62-68 NEW CHURCH STREET,

Western Elec

Do Japan Royalty

New York, Jan'y 28, 1885

\$ 90

We Credit

J. Edison

CORRECT

M. J. Park

Goods sold to W. C. Leitch

4 Universal Telph. Rts @ \$11.25 = 44.25

4 Cells Diagram de Clouche 2.25

4 Extra Zincs, 10-2

Sal Amm. 13, 4 Std. Lel. Corde. 25.10

10 3/4 # 7 18 Amm. Wm. 5.00

10 20 Royalty + Com.

5.25
55.95

5 90

OFFICE OF

Western Electric Manufacturing Company,

Manufacturers, Importers and Dealers in all kinds of

TELEGRAPH MACHINERY AND SUPPLIES.

HOTEL ANNUNCIATORS, BURGLAR ALARMS, ELECTRIC PENS, &c.

No. 628 Chestnut Street,

D. H. LOUDENBACK, AGENT.

ARSON STAGER, President,
ENOS M. BAXTON, Secretary.

Philadelphia, August 21st 1876

Thomas. A. Edison

Dear Sir.

file

Now you answer in regard to sale of Suits
in the interest of Australia, and the balance of the East?

I am to go out to Chicago this week, to let them go
and be answer-able to have this matter understood before he sails. I have
handed Mr. Smith up on the Patent papers, so we could have them OK.

I presume you are willing, to include New Zealand, and
Tasmania, in the Australian understanding.

Please have Griff, drop me a line on the above points, and
obey.

Yours Sincerely

D. H. Loudonback.

625 to 68 New Church St.

WESTERN ELECTRIC MANUFACTURING CO.
220-232 KINZIE STREET,
CHICAGO.

NEW YORK.
62-63 NEW CHURCH STREET

FEB. 14, 1880

T. A. EDISON

MENLO PARK

N. J.

DEAR SIR:---

WILL YOU PLEASE ANSWER
MY INQUIRY IN REGARD TO SELLING TELEPHONES
IN THE INTERIOR OF AUSTRALIA? THE COUN-
TRY IS SO VAST THAT IT WOULD BE IMPOSSI-
BLE TO RENT THEM AND UNDERTAKE TO KEEP
THEM IN ORDER. YOU WOULD HAVE THE YEARLY
ROYALTY ON ALL INSTRUMENTS USED IN THE
CITIES. SUPPOSE YOU MAKE THE PRICE TO
BE PAID YOU ON EACH INSTRUMENT SOLD ENOUGH
TO COVER ROYALTIES FOR TWO OR THREE YEARS.
WE SHALL HAVE TO SELL THEM AT A LOW PRICE
IN ORDER TO COMPETE WITH THE GERMAN PHONES
WHICH ARE SOLD THERE. I UNDERSTAND THAT
THEY ARE SELLING COMPLETE APPARATUS FOR
TWO SETS FOR FIFTY DOLLARS.

I SHOULD LIKE TO HAVE YOUR ANSWER IM-
MEDIATELY, AS WE SHALL PROBABLY HAVE TO
COMMENCE SELLING THEM IN THE INTERIOR AS
SOON AS MR. WELLES ARRIVES THERE.

YOURS TRULY,

B. M. Leonard

*make it \$7.50
(1880)*

Be it known that I Thomas A Edison of Menlo
Park in the State of New Jersey United States of
America Electrician have made constitute and
appointed and by these Presents do make constitute and appoint
J R Wells of United States
of America my agent and Attorney, to apply for and obtain
Letters Patent or Letters of Registration for my Invention
of Improvements in Telephones and the Electrical Instruments
therewith connected in any or all of the British Colonies
of Victoria, New South Wales, Queensland, South Australia
West Australia, and New Zealand hereby giving and
granting unto my said Attorney, full power and authority to do and
perform all and every act and thing whatsoever requisite and
necessary to be done in applying for and obtaining said
Letters Patent or Letters of Registration as fully to all
intents and purposes as I might or could do if personally
present hereby ratifying the same in advance.

In Testimony whereof I have hereunto set my hand
and seal this 23 day of March A.D. 1880

signed T A E

Sealed & delivered in
the presence of
Shy

Wm. Linnan
J M. Laughlin

no

Cable

Mch 6. 80
4.46 P.M.

Edison Menlo Park N.J.

325 pounds payable Colonial
foreign patents Cable Confirmation
agreement my interest therein same
as in Quephone.

Gouraud

20 paid

Mch 9, 80
1148 am

Cable

Edison Menlo Park N.J.

Have you executed foreign
Colonial sent you 23
October

Gouraud

14 London
Street

T. A. EDISON.

Menlo Park, N. J.,

Feb 9

1880

Menlo Park
London

You shall have same interest in
Colonies as in England on
Chalk, Have arranged for
Australasia and taken out
another patent, Dont change
status English Telephone without
Consultation.

Edison

31 Menlo Park

12³² 9/10

EARLY ADDRESS:
"GOURAUD, LONDON."

6, Lombard Street, E.C.
London 20th March 88

Thos. A. Edison Esq
Menlo Park N.J.

In regard Australia -
I have under your interest
 $\frac{20}{100}$ the - as I am under bound
to future performances & besides
have to divide with my own money here.

My Dear Edison,

I cabled you asking if I should
pay J. H. Johnsons Bill for Australian
Patents but received no reply. Finding that
J. H. Johnsons had taken them out and that
you had signed them and supposing
they had to be taken out whatever deposits
you have made of your Australian
Patents I have paid the bill £25.10/- and
the patents go out by next mail.

Your disposing of these as you
have somewhat complicates my negotiating
but fortunately not seriously. Am I to
understand that my interest in this is the
same as though I had negotiated the matter
myself. Please advise me on this point so
that I may know how to treat the charges
for the Patents.

I have spent
considerable time & money
in connection with the
Yours truly
W. H. P. G. G.

CHAS. HARRIS.
"GOSWOLD, LONDON."

6, Lombard Street, E.C. 4.
London, 20th March 1880

Thos. B. Edison Esq
Windsor Park

N. J.
My Dear Edison

You must pay for the Salaries
& expenses of negotiating &
I want to give you a personal
attorney to negotiate the
Contract showing interest but no money
when you were good enough to place
in my hands certain Colonial and Foreign
Telephone interests upon the same terms
as my interest in the London C^y I sent
out for execution a Deed of Assignment
and appointment as Agent analogous to
the one you gave me in the case of the
British Patents. I do not find any record
of this having been returned and I therefore
send you out a redraft of it which
Kindly execute without delay and return
by first mail

When you have executed and
mailed it kindly send the word "assignment"
I have provided in the New Company that
your interest shall be represented in shares
so as to enable you to divide your various
interests and avoid complicated accounts. This
very much simplifying matters all round
Yours truly
Chas. Harris
I am happy to hear
£25,000 cash down

CABLE ADDRESS,
"COURAUD, LONDON."

6, Lombard Street, E.C. 4.
London 20th March 80

Wm A. Dawson
Menlo Park N. J.

My Dear Dawson,

Telephone Patent: India South
America (excepting Peru & Chile
and the Argentine Republic) Cape
of Good Hope, Turkey in Europe and
Asia, Norway, Sweden, Egypt, China,
Portugal, Denmark, & Holland.

In the Power of Attorney which you
sent me some time since in connection
with the above by some oversight it is
found not to include India Denmark
& Portugal. I therefore send you herewith
a Power to cover these countries for your
execution.

As I have only discovered this omission
after having had all the papers drawn, and
certain preliminary negotiations for the
countries in question consummated I
find myself unavoidably delayed in closing
the matter up until I have the knowledge
that this power is executed and mailed.

Therefore when you have executed it and the notary's seal has been attested by the British Consul you cable me the word India by which I shall understand that it has been duly executed and mailed thus saving ten days or a fortnight in closing up the matter. I have placed all the countries together for one company excepting India for which a separate organization was thought advisable. A good Board is insured in both companies the basis being generally the same as that ^{now} proposed in the case of the London & Co.

Yours truly,
H. W. H. H. H.

I have paid for all the
Patents named in the Form, the
\$2000 of Assignment & the Co's
will be registered before this

Remember you -
Please let me know at what court
can now be had (1000 telephone from
Prisoners, or any bar) there -

08, 05, 20, 20

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions, limiting its liability, which have been presented in its charter and the following terms.
Messages can be received again only by repeating a message back to the sending station for comparison, and the Company will not hold itself liable for errors or delays in transmission or delivery of messages or for damages, the conditions of a message is an UNREPEATED MESSAGE and is delivered by repeating the sender, under the conditions stated above.

A. H. BREWER, Secy

KORVIN GREEN, President.

Dated

Cable 3/24 1880
12:18 pm

Received at

St. Edison
New York

READ THE NOTICE AT THE TOP.

Has also foreign Colonial
similar basis, separate
company
Gow and
12 London
street

Charles Churchill & Co. I will reply
493 Greenwich Street, St 9

New York, March 24th 1880.

Mr J A Edison

Sir your kind favor of the 25th is received - with reference to the country where the loud speaking Telephone is wanted It is wanted or my inquiry comes from South Australia - If you cannot give price for that country please tell me where the information can be got and also where the Telephone can be obtained.

Truly yours

Charles Churchill & Co



CABLE MESSAGE

WESTERN UNION TELEGRAPH COMPANY

THE ABOVE MESSAGES received by transmission must be written on the Mercury Block provided by this Company. Certain purpose, under no circumstances printed hereon, and on the face hereof, which conditions have been agreed to by the sender of the following after:

D. BREWER, Secretary

NORVIN GREEN, President

A. B. BREWER, Secretary.

NORVIN GREEN, - President

WESTERN UNION-BUILDING

BROADWAY and DEY STREET

1880

Express ten universal telephone sets with pony crowns and ten metaphones complete to banker Care Drexel Hays & Co Paris for exhibit in countries excluding France, ^{Russia} ~~Italy~~ and one pair when shipped ^{Harris}

JAMES PARTRICK,

FRANKLIN S. CARTER,

PARTRICK & CARTER,

Manufacturers of and Dealers in Every Description of

Railroad and Telegraph Supplies,

No. 114 South Second Street,

In reply to

yours of

Philadelphia, *Al 5* 1880

Mrs. A. Edison Esq

Windsor Park.

*Dear Sir. We have had several calls
for your loud speaking, line
cylinder telephones for Cuba, and
other foreign countries - Can you
furnish them to us for export
if so at what price, and
how soon - please let us
know all the particulars at
once and oblige*

Partrick & Carter

1 Cable April 8. 80
11³⁰
Edison
menis Park

Bouvaries terms accepted
Cable reply mine twentieth
assignment India everything
waiting
Gouvard

15 London
Direct
Hoy

2

1/26.8.20

Wentworth London

Glad hear it. will ~~only~~
sign contract with you
~~Colonial~~ outlaying
country, same basis
London, ~~re-assignment title~~

15 Wentworth Park

140
9/10/20

[FROM GEORGE E. GOURAUD]

Cable

Apr 9. 50
2 20

Simon
Edison

Menlo Park

Forward today papers
Attorney mine twentieth
otherwise month delay
important to close while
possible answer

18 London
street

1422.

S. S. ^{Bethunia}
~~Wesley~~

6. Lombard Street, E.C.

London April 9th 1880.

"CABLE AGENTS,
"GORDON, LONDON."

Thos. A. Edison, Esq.
Menlo Park.

N.J.

Dear Edison, I beg to confirm following
cables:-

to you

"Bouvier's terms accepted cable reply
"mine twentieth assignment India
"everything waiting"

from you

"Glad hear it will sign contract
"with you outlaying countries same
"basis London."

I have taken this cable literally so
that the "Edison International Telephone
Company" will be upon precisely the
same ~~terms~~ basis in all particulars as
the London Co. will be under its new
statute - So far as Bouvier and myself
are concerned the details of the further
agreement are all settled but it yet

2.

requires the formal action of the Board which will no doubt ratify it, for which purpose a meeting will be held on Wednesday next the 14th inst.

The memorandum and articles of Agreement and all the subsidiary documents will be substantially the same.

It will save time if you execute and return the Powers of Attorney forwarded under cover of mine of 30th March as otherwise a month may be lost in sending the agreements out and getting them back. With these Powers I shall be able to make the assignments to the Company on your behalf.

It is important no time should be lost as if the present

3.
season goes by here the whole thing
will have to stand over until
the autumn - Nothing is possible
here in midsummer.

Yours truly,
Howard

P.S. Since writing the above I
despatched the following cable to you:
"Forward today powers (of) attorney
mine twentieth otherwise month
delay. Important to close while
possible - Answer"

[FROM EDWARD H. JOHNSON]

Apr 14. 80

3 PM

Edison needs Pass

If colonial papers not signed
hold them answer

Phonos

11 London
Hof

WESTERN ELECTRIC MANUFACTURING CO.

230-232 KINZIE STREET,

CHICAGO.

NEW YORK,
69-68 New Church Street.

APRIL 20, 1880

T. A. EDISON:

MENLO PARK

N. J.

DEAR SIR:---

WE HAVE YOURS OF THE
16-TH INST, INCLOSING NOTE FROM PARTRICK
& CARTER ABOUT TELEPHONES FOR CUBA.

WE EXPECTED TO SEND OUT AN EXPEDITION
TO CUBA, BUT MR. BANKER TOLD ME THAT THE
EDISON TELEGRAPH CO. OF EUROPE HAD MADE
AN ARRANGEMENT WITH SOME NEW YORK PARTY,
A FRIEND OF MR. LOREY, TO WORK CUBA, AND
THAT THEY COULD NOT MAKE AN ARRANGEMENT
WITH US. WE HAVE, THEREFORE, DONE NOTHING
ABOUT IT, BUT SHOULD BE VERY GLAD TO
FURNISH INSTRUMENTS TO GO TO CUBA OR ANY-
WHERE ELSE.

YOURS TRULY,

Wm M Barton
REC'D

*See No they have not
made any arrangement
I am ready to negotiate
with your Co*

JOHN PARTRICK.

PARTRICK & CARTER,

FRANKLIN S. CARTER.

Manufacturers of and Dealers in Every Description of

Railroad and Telegraph Supplies,

No. 114 South Second Street,

In reply to

yours of

Philadelphia, Apr 15 1880

*I A Baird Esq
Menlo Park N.J*

*Yours 14th Mr Baird comes
of these telephones for Cuba
party has written no answer
thing about it. If you have
not sold Cuba please let
us know what steps to
take for its introduction thru
And Obly*

Patrick Carter

*Wm M Barton
What shall we do
about this. My friend
parted from this last
I guess we can supply
them 7-11-80
y*

No 8

S. Agassiz

6. Lombard Street, E.C.

London. 20th April 80

CHAS. HENRY,
"GOSWOLD, LONDON."

Thos A. Edison Esq
Menlo Park
New Jersey

Dear Edison

Australian Patent I enclose you
herewith J. H. Johnsons Bill for taking out
these amounting to £199.10.0 which sum
I have debited your account with

Yours truly

Geo. S. Gouraud
G.S.

J. HENRY JOHNSON,

Solicitor & Patent Agent,
LONDON.47, LINCOLN'S INN FIELDS,
W. C.GLASGOW:
110, ST. VINCENT STREET.Fourth Edition,
Thoroughly Revised and Enlarged,
1880.THE PATENTERS' MANUAL
By J. JOHNSON, Esq., Barrister
at Law, and J. H. JOHNSON,
Solicitor and Patent Agent.A CONCISE VIEW OF THE
LAW CONCERNING WITH LETTERS
PATENT FOR INVENTIONS.
By JAMES JOHNSON and
J. HENRY JOHNSON.THE
PRACTICAL DRAUGHTSMAN'S
BOOK OF INDUSTRIAL DESIGN.
Second Edition, Enlarged.
By WILLIAM JOHNSON,
Architect, 21 St. St. Clerk.THE PRACTICAL MECHANIC'S
JOURNAL, SECOND
GREAT-EXHIBITION, 1880.
Price 2s. 6d. cloth.THE PRACTICAL
MECHANIC'S JOURNAL.
Vol. 1 to 8, First Series, and Vol.
1 to 8, Second Series, Cloth.
Folio, 1 to 8, New Series,
16s. each Vol.Editor's Office,
Solicitor for Patents and Designs,
47, LINCOLN'S INN FIELDS,
LONDON, W.C.Duplicate.J. H. Colverson Esq
To
J. Henry Johnson.

Office for Patents,

47, LINCOLN'S INN FIELDS, LONDON, W.C.

1880
Feb. } Instructions for Patent in N. S.
Wales.Preparing Petition Declaration and
SpecificationMaking duplicate drawings of
Invention.Save Government duty
Agency at home and abroad

The like for Patent in Victoria

The like for Patent in Queensland

The like for Patent in New Zealand

The like for Patent in South Australia

42. 0. 0

31. 10. 0

42. 0. 0

42. 15. 0

42. 0. 0

£199. 10. 0

Dy 5

Signed by Legue
per J. H. J.965.58.484
242

199
484
796
1592
796
96316
242
96558

Originals of following
Papers sent to Gouraud
Oct 22, 1879 - properly
certified - asked Gouraud
to send us copies which
he has not done to this
date. May 1, 1880.

{ Dated Oct 8, 1879
TAE + the ETLB
Limited - agreement as to
through in Lancashire }

{ Dated - 1879
TAE to G. E. G. Power atty
re. Edison Tel. for Australia }

{ Dated - 1879
Power atty TAE to G. E. G.
for certain foreign countries }

{ Dated Aug 1 - 1879
Supplemental agent TAE
Bourne & others }

WESTERN ELECTRIC MANUFACTURING CO.

220-222 KINZIE STREET,

CHICAGO.

NEW YORK,
62-68 New Church Street.

MAY 8, 1880

Mr. A. EDISON

MENLO PARK

N. J.

DEAR SIR:--

THE SEASON IS SO FAR ADVANCED THAT IT WOULD NOT BE PRACTICABLE TO DO ANYTHING IN CUBA NOW UNTIL COOL WEATHER COMES. THIS WILL GIVE US TIME TO SEE YOU ABOUT THE TELEPHONE BUSINESS THERE.

WE HAD ARRANGED AT ONE TIME FOR MEN TO GO TO HAVANA AND START THE SCHEME DURING THE PAST SEASON, BUT WAITED FIRST BECAUSE MR. BELL RECEDED FROM THE ARRANGEMENT WHICH HE AGREED TO, AND THEN WHEN MR. BANKER SAID THAT THE EDISON TELEPHONE CO. HAD MADE OTHER ARRANGEMENTS WE THOUGHT NO MORE ABOUT IT.

YOURS TRULY,

E. M. BARTON, SEC'Y

Copy

This Agreement made (in the State of New Jersey in the United States of America) this fourteenth day of May, 1880 between Thomas A Edison (of Menlo Park in said State) party of the first part and William C Le Gendre (of the city of New York) party of the second part. Witnesseth that the said party of the first part in consideration of the agreement of the party of the second part hereinafter stated and of one dollar lawful money of the said United States each to the other paid (the receipt whereof is hereby acknowledged have agreed as follows viz: the said party of the first part hereby engages and irrevocably appoints the said party of the second part, as his exclusive agent for the period of Five years from the first day of January last (1880), for the introduction and sale in gross and in severalty of all his — (said party of the first part) — telephone inventions (including the micophone and such other improvements in connection with the

telephones as may be made by him during that period for and in the whole of the Territories of Japan, Corea, China & Hong Kong, all instruments which said party of the second part shall require, for the purpose of said sale, and as aforesaid, shall be purchased by said party of the second part, through the Western Electric Manufacturing Company of New York or its successors at the current wholesale exportation price not exceeding however eleven (11) dollars American gold per set of instrument (with all additional improvements with ten per cent royalty thereon added for said party of the first part payable also to that Company or its successors and should all the said telephone rights be sold by said party of the second part the party of the first part also to have thirty (30) per cent of the gross sum realized therefrom, such gross sum to be satisfactory in amount to the

Paint

said party of the first part.

And the said party of the second part during the time - aforesaid hereby agrees to exert - himself by his appointees (in the said respective countries) to sell and introduce as aforesaid - without cost of the same to the said party of the first part.

The possible profits which may accrue to said party of the second part from said agency in said countries, to be the remuneration to him for his services

In witness whereof the said parties to these presents have hereunto set their hands & Seals.

Signed { Thos. A. Edison
Wm. C. Le Gendre

In consideration of the foregoing agreement and of one dollar to me paid by William C. Le Gendre (the receipt whereof is hereby acknowledged

I guarantee to him that in case of the failure of the Western Electric Manufacturing Company.

of New York or its successors to supply
him with the instruments referred
to, in said agreement as required
by him, and on the terms specified
therein the said agency and
recited agreement between us
shall still remain in full force

Witness my hand and
seal this fourteenth day of May
~~1880~~ 1880.

(signed) { Thos A Edison
Wm C Le Gendre

Agreement between
Wm C Le Gendre
and
T A Edison

Telephone in Japan

May 14, 1880

Document
Telephone

New York May 29
59 Wall St
Thos F Edison Esq
D. C.

Contracted
thru
very respy
Wm. L. Lewis

June 8, 1880

#4

Edison Works Park

Cannot you possibly
include any more
countries for universal
telephone company

London Found
cc of

- 7. 4. 6 pm

June 9, 1880

Menlo Park London

The Edison Telephone Company
of Europe are open for a
trade

15 Menlo Park N.J. June 9, 1880

11/27 8 40

CABLE PHONES,
"COURAGE, LONDON."

N^o 13

13, City of Providence

6, Lombard Street, E.C.

London, 10th June 1880

Thos A. Edison Esq
Manly Park
New Jersey
W. Va

My Dear Edison

Telephone Construction Co I have received
invoices for 435 telephones & supplies leaving
65 yet to be delivered. The Company has only
paid me for 208 instruments. In regard to the
balance of those thus far delivered to them and
for which I have rendered them accounts they
have shown considerable hesitation in settling
putting in a counter claim that we should
take some 250 telephones, that were included
in Pagnanini's order for District Companies.
Of course I take the ground that I cannot
be held to any such claim as the abandonment
of the right to form district Companies makes
it impossible for us to use the telephones.

There seems to be some mystery about
all this and I can only account for it by
their feeling that they have only to pass over
me and go direct to you to get anything they
want. Of course in consequence my influence
is materially impaired and will be entirely

destroyed unless you protect me against
the repetition of it in the future

You will appreciate that it is
rather humiliating to be practically told in
the a negotiation of any kind that if you
do not do what the opposite party want
he will go to your principal who probably
will

Yours truly

Wm. W. W.

Pay full balance of \$500 +
Complete amount for all -
if Co. will you anything
about them simply refer them
to me & then will be no
further difficulty -

Keep your eye on me -
Keep me a line occasionally

W. W.

In Universal Co. are going for

2000 Ark +

4 of Capt. Stark -

N^o 14

E.S. City of Richmond

6, Lombard Street, E.C.

London 10 ¹⁴ Jan 1888

Thos A. Edison Esq
Menlo Park
New Jersey N. S. A.

My Dear Edison

I confirm following cables:-

To you, "Cannot you possibly include
any more countries for Universal
Telephone Company"

From you, "The Edison Telephone Company
of Europe are open for a trade"

To you, "Moore sees you regarding your
cable give every assistance"

Many thanks for your prompt reply.
Moore names you well doubtless recognize
as one of our Directors in Glasgow and
to whom I am greatly indebted for assistance
in forming the Glasgow Company. As he happens
to be in New York I thought it would save
you trouble and expedite matters if he
communicated with you and so from you
to the representatives of the Edison Telephone
Co of Europe. What this Company is I do not
know but suppose it is the outcome of your
arrangement with Puckas

2/ The purposes of this Universal Telephone
Company is to go into this business wherever
it may be done and to that end acquire such
patents as it can in any case where it
may be desirable

Yours truly
Geo. S. Howard
G.S.

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which have been furnished to by the sender of the following manner.

Messages sent by Electric cables only by receiving a message back to the sending station for receipt, and the Company will not be held liable for any delay in transmission or delivery of Unrepeated Messages.

This message is an UNREPEATED MESSAGE and is delivered at request of the sender, under the conditions made above.

A. R. BREWER, Sec'y.

NORVIN GREEN, President.

Dated

2 June 17 1880

Received at

To Edison Mills Park

Cable Approval Rate Telephone
right Norway Sweden Holland
Denmark Portugal Switzerland Egypt
Cape Turkey India China
South American Except Russia
Chile Argentina to this Company
Twenty thousand pounds money
plus fourth issue Capital
strong bond a assured Bouvier
probable Chairman

Howard

43 London ¹⁰⁰ 11 Ave

READ THE NOTICE AT THE TOP.

No 1

June 12, 1880

Menlo Park London

I approve of sale telephone rights

Norway Sweden Holland Denmark

Portugal Switzerland Egypt

Cape Turkey India China but

not Japan and West Coast South

America ~~for~~ for America

thousand pounds cost and

and one fourth issued capital

new Company -

Edison

41 Menlo Park

June 12th

20/10/80

Cable

Edison

Menlo Park N.J.

June 14, 80
7 P.M.

Name South American

Countries included how
about New Zealand

Gowand

11 London

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which have been accepted by the sender of the communication.
 The sender of the communication is responsible for the accuracy of the message, and the Company will not be held liable for error or delay in transmission or delivery of the communication.
 The message is an UNREPEATED MESSAGE and is subject to the order of the sender, under the conditions stated above.

A. R. BREWER, Secy. NORVIN GREEN, President

Dated 1. Call 188

Received at Mulo Rink, Juss

To

READ THE NOTICE AT THE TOP.

Edison Mulo Rink
 Twenty eight what
 in treasury what royalty
 from Russia Belgium
 Hungary
 Gouraud
 14 London ⁴⁰ X6 Qaw

forwarded
to Edison June 15. '50
+ reply

sent
M.P.

June 15

Menlo park
London

Eight
Twenty thousand of the hundred
thousand Capital. Royalties vary
from 2 dollars ^{per year} to lesser sums
according to number. Extend to
End of Commission notwithstanding expiration
patents years previous to termination

Edison

N^o 15 L^d. Celtic

6, Lombard Street, E.C.

London 17th June 1880

CABLE ADDRESS.
"GOURAUD, LONDON."

Messrs A. Edison & Co
Manhattan Park
New Jersey
U.S.A.

My Dear Edison

I send you herewith for your execution (which please do without delay in the usual manner calling name of steamer bringing them back) the following Agreement:-

- 1st Contract between ourselves regarding my interest in Foreign Telephone patents
- 2nd Agreement between yourself and a Trustee for the formation of the Foreign General Telephone Supply & Maintenance Company which is on the basis the name we have finally decided upon
(This I withhold until receipt of further cable from you)
- 3rd Deed of Assignment respecting your Reversionary Interest in the Edison Telephone Company of London Limited which has Johnson's approval and I understand that he writes you by this mail to that effect

In connection with this latter the more I think of it the more I am

152

My fr of Mr. Johnson. He is for my share before.
when for him. My wife says she is at my
1/2 21.00 or more. I am

*

impressed, and I think Johnson is
equally of the same opinion of the necessity
of your placing this matter in the hands
of a Trustee. This deed will upon your
execution be filed with the Edison Telephone
Company of London and they are far
less likely to ask of Mr. Renshaw any
such unreasonable terms looking to the
liquidation of the London Company as
might otherwise be urged upon you and
myself. The present intention so far as
I have heard is expressed in that the
London Company shall not be liquidated
but continued to the end of your patent
in which case it is highly important
to all parties concerned that there
should be certificates issued representing
the various interests which certificates
would probably have a market value
somewhat proportionate to the shares
of the Telephone Company. If on the other
hand the Company should propose a
liberal division of the surplus shares
of the United Company we can always
accept the same through Renshaw and
thus the Trust does not in any wise
either become an obstacle to either the
continuance of the London Company
existence or the winding of it up.
Foreign Telephone Company I am actively

15-3/ engaged in the formation of the Board and the usual preliminaries of such an undertaking. Gardener Hubbard is now and professes to control in his own right Bell patents for India ^{Australia} and the South African Colonies. He also thinks he has the control of your ^{Australian} patents. In any case I have New Zealand and we have agreed to put the Patents together on equal terms and divide what we can get out of it.

We are at this moment engaged in the preparation of the Agreement for the British India Telephone Co. Bell Edison Patent. There seems no reason to doubt that a strong Company can be formed for this Subsidiary Company. Hubbard is altogether in favour of our taking no cash but a larger interest in the shares than we otherwise would get if we demanded cash or according to his experience this has been the most profitable course both here and in America.

I shall of course before absolutely committing myself submit the general basis to you for your approval.

I send you besides the above document Power of Attorney including all the authorities mentioned in your several cables. Penchance thought it

154/ better to name all the countries in one
Power of Attorney notwithstanding that I
have your Power of Attorney already for
all of them except South American, East
India & New Zealand.*

I am now copies of copies between
us in this matter which I confirm
to remain Yours very truly
Wm. Woodcock

*
As this will be in part duplicate
upon the receipt of this I will
cancel the other

12th To Edison. Cables

- "Cable approval cable telephone rights
- "Norway, Sweden, Holland, Denmark
- "Portugal, Switzerland, Egypt, Cape, Turkey
- "India, China, South America, Egypt
- "Peru, Chile, Argentina To new company
- "20000 ~~cash~~ money plus fourth issued
- "capital strong Board assured American
- "proposed chairman"

14th From Edison

- "I approve of cable telephone rights
- "Norway, Sweden, Holland, Denmark
- "Portugal, Switzerland, Egypt, Cape, Turkey
- "India, China but not Japan & West
- "Coast of South America for twenty
- "thousand pounds cash & one fourth
- "issued capital new company"

14th To Edison

- "Name South American countries
- "included. Now about New Zealand"

15th From Edison

- "Include Brazil, Argentina, Equador
- "& New Zealand"

16th To Edison

- "Instead quarter shares & 20000 cash
- "approve half shares & no cash. Latter better
- "if obtainable. Have agreed with
- "Bell this case. British Colonies"

N^o 16

L. C. C. C.

6, Lombard Street, E.C. 4.

London: 17th June 1880

SOLE ADDRESS,
"GOURAUD, LONDON."

Messrs A. Edison & Co.
Maison Park
New Jersey, U.S.A.

My Dear Sirs

Edison Telephone Co. of Europe. I confirm
cables which have passed between us as
to this, copies of which I annex.

As regards the Patents controlled by this
Company I am endeavouring to ascertain
what are the chances of our being able to
immediately take over these countries
so as to include in our Foreign General
Telephone Supply & Maintenance Co. all
your continental foreign patents but
cannot say anything at this writing but
what ~~has~~ already known to you from
the above confirmed cables.

Yours truly
W. Gouraud

Capitals
From Edison 15th

Overlooking a whole class of ~~capital~~ ^{capital} here for continent can probably be bought four hundred dollars share
! Capital 100,000 - 28 in treasury. They have Russia Austria Germany Italy Spain Cuba Belgium. Have contacted out Russia Belgium Hungary latter Government monopoly. Thirty year royalty basis. If you do anything it must be immediately

To Edison 15th

Twenty eight what in treasury
what Royalty from Russia?
Belgium Hungary

From Edison 16th

2,000 of the 100 Capital Royalties vary from \$2 to lesser sums according to number extent to end of concession notwithstanding expiration of patent years previous to termination

To Edison 16th

How much realized from royalties to date & since when

From Edison 17th

Contract only just made Russia put up \$10,000 Hungary \$5,000 advance. without contract they will probably enter in contract for other countries

June 18-18-
10 AM.
Edison Menlo Park

Can't handle immediately
European Edison terms named
unless Bell same countries
can be united can that be
done

Gouraud

22 London
Hob

Gouraud London
Bell has no patent

~~there~~ leaves us only valid
exploitations -

19 Menlo Park
June 18-

T. A. EDISON,

Menlo Park, N. J.,

1880.

Edison
London

Menlo Park

London

Can probably make arrangement Co

here royalty ~~three~~₃ dollars year per telephone

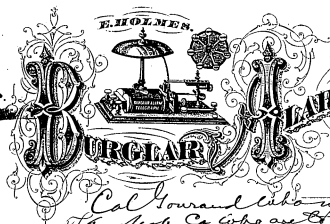
in European Countries if guaranteed

~~immediate~~ ^{immediate} vigorous exploitation, with

Johnson in charge;

Edison

30 Menlo Park N.J.
1449 Hb



ALARM TELEGRAPH
OFFICE
No 518 BROADWAY
New York.

Cal Howard who is the head of the
Hawley & Co who are to work India will
be here shortly & I suppose you better
to have a secretary for person whom you
have a friend living in
Calcutta, who has been there twenty five years, but is
thoroughly acquainted with the government there, and
personally with the officers of that government.
He has become somewhat acquainted with the telephone
and has corresponded with me in regard to operating
it in Calcutta, and other cities of India. He has a
brother in Boston who is a wealthy and influential man.
I think he would be a man exactly adapted for this
business. I personally have understood that you have
a patent or some protection for that country. Now if this
is true can you suggest any way by which this man
can get hold of, or operate the telephone in those cities.
He has money, and is able to carry the business through.
He would of course expect to make an arrangement
for your interest as well as his own. I should be pleased
to hear from you on the subject.

Respectfully E. Holmes

4th St. Wash D.C.
Edison Menlo Park
offer ^{no 1000} European ten shillings
stealing royalty our option
charles first year 300
dollars second year 400
limited to present issue
ample capital & character
directors guarantee vigorous
working policy immediate
Establishment exchanges
Chief cities Johnson chief
Engineer

Of Gouraud
41 London ^{co} 707 Pm
Menlo Park, London
Johnson declines, would
not do anything without
him - Edison

June 21, 80
31st
Edison
Menlo Park
I don't want Continental
appointment
Roses

10 London

original

replied

June 22nd

Cable No. 1

Edison M.P.

Have declined
Continental aptment

Phonos

London $\frac{150}{100}$ 9 am

21

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and RECEIVES messages only on condition, limiting its liability, which have been assigned to the sender of and receiver of such messages back to the sending station for transmission, and the Company will not be held liable for any loss or damage to messages or delivery of telegrams or messages.
This message is an **URGENT** message and is delivered by request of the sender, under the conditions named above.

A. H. BREWER, Sec'y

MORTIN GREEN, President.

Dated _____ 188

Received at _____

To _____ June 22

Phonos London

Better ^{accept} ~~offer~~

four or five months
engagement Continent
until light ready. we

can use Magneto and
receiver and Bergmans
Universal, Edison

607/10
9 cc
22 mmo to Paris 220

READ THE NOTICE AT THE TOP.

2. Cable June 23

Edison Menlo Park

Cannot remain longer
in Europe and afford
absolute control policy
men and apparatus
with appointment Electrician
will this accomplish
your object

Phonos

26 London Ho
Xc 5 PM

Cable No 1 June 23

Edison Menlo Park

Johnson accepts as
special favor appoints
Electrician having absolute
control apparatus &
App's Engineer department
this insures repetition London
Success close with
European promptly

Gouard

30 London Ho
Xc 5 PM

June 25 1880
342

Edison Menlo Park

Cash advance difficult
might manage fifteen to
twenty thousand dollars two
dollars royalty

Gouraud

16 London

T. A. EDISON,

| M

Menlo Park, N. J., June 26 1880.

Menlo Park London

Stockholders will accept if ten
thousand pounds is paid advance
royalty. But will give no option
on stock, remember they can do as
well by selling piecemeal as
with Russia Belgium Hungary.

Edison

36 Menlo Park N.J.

THOMAS
S. J.

T. A. EDISON,

3

Menlo Park, N. J.

June 28 1880.

Menlo Park London

Other negotiations finding your offer
not enough must do better
Could not restrain closing
with French parties if Banker
was not favor English parties
Edison

28 Menlo Park N. J.
6:32 P.M.
G. C.

^{NY}
T. A. EDISON,

Cable

Menlo Park, N. J.

June 29 1880.

file

Edison Menlo Park

Sail Saturday Scythia Sign
and send all documents to
Renshaw there saving London
season. Keep European offer
open till arrival Unless
that offer accepted Ultimate
value in English hands worth
double Glasgow amalgamated
Everything lovely including
five thousands Gouraud

4 London
H. H.



James H. Breslin,
PROPRIETOR.

New York, July 7th 1882

Thomas A. Edison

*Music. Park of
Oran. St.*

*This will introduce
to your favorable notice, Mr. Burdley, who
is Private Secy. to James M. Ormes, Genl
Supt Southern Bell Telephone Co, who
you will recollect was out to your place
with me last summer.*

*He, secy for Europe on Thursday
and wishes a letter of introduction to
Mr. Farraud. He is to go in with*

us on the Australian business, he
and myself, having the Bee Patents.

He is anxious to meet Rev J. in
order to make his acquaintance, and
get points on Freshman in Europe,
and would like to have a strong letter
from you.

They will want to arrange with
you, either directly, or through Howard,
for India.

No you will recollect you told me
if I had my parties ready, to bring them
out, and you would arrange for India
with me. Mr Ormer now represents a
number of gentlemen here, and in Boston
who have organized to do business there,
they have the Bee rights, and Prof Lee,
and Mr Hubbard, are interested.

If you will write the above letter
and instruct Howard, how you would

^{received}
July 7 1880
W N Londerbeck

like to have India arranged for, Mr
Cruze, and Hubbard can do it there.

Mr. Lane obliges to go that
thought, I cannot get out to see you
in regard to the ~~subject~~ anything you
would do through us, you can safely
put in Mr. Cruze's hands.

Yours fraternally
D. N. Londerbeck

Please give Mr. Burley, the letter
introducing Mr. Cruze, to Edward &
Oliver.

Graham Burley.

WESTERN ELECTRIC MANUFACTURING CO.
220 - 232 MINZIE STREET,
CHICAGO.
NEW YORK,
42 1/2 N. 5TH STREET

JULY 8, 1880

T. A. EDISON, ESQ.

MEMLO PARK
N. J.

DEAR SIR:---

WE HAVE HAD TWO LETTERS
AND TWO CABLES FROM MR. WELLES SINCE HE AR-
RIVED IN AUSTRALIA.

THE FIRST LETTER WAS WRITTEN IMMEDIATE-
LY ON HIS ARRIVAL, AND AFTER HE HAD LOOKED
OVER THE LIST OF AUSTRALIAN PATENTS HE THEN
WROTE THAT THE EDISON TELEPHONE WAS NOT
PATENTED THERE, BUT THAT THERE WAS A PAT-
ENT ON THE PHONOGRAPH. I REPLIED IMMEDIATE-
LY TO THAT, THAT I UNDERSTOOD THE CARBON
TELEPHONE WAS INCLUDED IN THE PHONO-
GRAPH PATENT. HIS SECOND LETTER, WRITTEN
BEFORE HE GOT MINE, REITERATED THE STATE-
MENT ABOUT THE NON EXISTENCE OF ANY PATENTS
TO EDISON, BUT STATED THAT A LOCAL MANU-
FACTURER THERE HAD PATENTED IN HIS OWN NAME
THE CARBON TELEPHONE, TAKING THE DESCRIP-
TION FROM THE "SCIENTIFIC AMERICAN,"
AND WAS DOING SOME BUSINESS THERE, BEING
THE ONLY PATENTEE. WELLES THOUGHT AT THE
TIME THAT HE WROTE THAT IT WOULD BE IMPOS-
SIBLE WITHOUT PATENTS TO HOLD THE BUSINESS
AS A MONOPOLY, AND PAY THE ROYALTIES.

THE NEXT MAIL FROM HIM, DUE IN BETWEEN
TWO AND THREE WEEKS, WILL TELL US WHETHER

THERE IS ANY PROTECTION FOR THE CARBON
TELEPHONE IN THE PHONOGRAPH PATENT. I
AM MUCH IN HOPE THAT HE WILL FIND THAT
THERE IS PROTECTION.

HE WILL BE VERY ANXIOUS TO GET THE PRO-
TECTION OF YOUR PATENTS, IF THERE IS ANY,
FOR THE REASON THAT HE IS THREATENED WITH
COMPETITION FROM AMERICA, BESIDES THE COM-
PETITION THAT HE HAS FROM THE AUSTRALIAN
MANUFACTURER, WHO HAS THE SCIENTIFIC AMER-
ICAN PATENT. OF COURSE, MR. WELLES UNDER-
STANDS THAT THIS LAST IS OF NO VALIDITY,
AS HE CAN SHOW THAT THE DESCRIPTION WAS
KNOWN THERE BEFORE THE PATENT WAS FILED.
HE WRITES THAT THE AUSTRALIAN PATENT LAW
FOLLOWS THE ENGLISH IN INVALIDATING ALL
PATENTS WHERE THE INVENTION WAS KNOWN TO
ANY ONE IN THE COUNTRY BEFORE THE PATENT
WAS FILED.

THE NEGOTIATIONS FOR AUSTRALIA BETWEEN
US AND THE PROPOSED ORIENTAL TELEPHONE CO.,
WHICH I MENTIONED TO YOU WHEN I SAW YOU IN
REFERENCE TO MR. LEGENDRE'S MATTER, HAVE
BEEN IN BRIEF AS FOLLOWS: THEY WANTED US
TO MERGE AUSTRALIA IN THE ORIENTAL TELE-
PHONE CO., WE WERE UNWILLING TO DO SO
WITHOUT SUBMITTING THE QUESTION TO MR.
WELLES FOR HIS DECISION. AFTERWARDS WE
PROPOSED, SUBJECT TO MR. WELLES' APPROVAL,
TO TURN OVER THE AUSTRALIAN AFFAIR TO THEM
AS IT STOOD, THEY PAYING COST AND ASSUMING
OUR OBLIGATIONS, AND WE STAYING OUT OF THE
ORIENTAL COMPANY. THEY EXPRESSED THEM-
SELVES FAVORABLY TO THIS PROPOSITION. WE
CABLED TO MR. WELLES FOR HIS DECISION, WHICH
HE HAS JUST GIVEN BY CABLE,--DECLINING.

EDISON, SHEET 2

WESTERN ELECTRIC MANUFACTURING CO.

220 - 232 KINZIE STREET.

CHICAGO.

NEW YORK.
OF 60 NEW COURSE STREET

WE HAVE TELEGRAPHED TO MR. ORMES, WHO IS TO SAIL FOR EUROPE TO-DAY, ANNOUNCING THE FACT THAT MR. WELLES DECLINES.

THE ORIENTAL COMPANY HAVE SAID ALL ALONG DURING THESE NEGOTIATIONS THAT IN CASE WE DID NOT COME TO AN AGREEMENT WITH THEM THAT THEY WOULD SEND A MAN TO AUSTRALIA TO FIGHT US. WHETHER THEY WILL DO THIS OR NOT WE ARE NOT SURE, BUT WE NOTIFY YOU OF THE STATUS OF AFFAIRS BECAUSE WE LEARN FROM MR. LOUDERBACK THAT HE SENT YOU A LETTER OF INTRODUCTION FOR SOME ONE IN BEHALF OF THE ORIENTAL COMPANY, WHILE HE WAS UNDER THE IMPRESSION THAT MR. WELLES WOULD ACCEPT THE PROPOSITION OF THE ORIENTAL COMPANY TO TAKE THE THING OFF FROM OUR HANDS.

WE WILL LET YOU KNOW AS SOON AS WE HEAR ANYTHING FURTHER FROM MR. WELLES.

YOURS TRULY,

Em Barton

SEC'y



Fire Alarm Department,

City Hall,

Montreal, July 16 1889

File

~~Telephone~~ or Gas & Clock

J. A. Edison Esq

Dear Sir

As far as I can ascertain there are about 2000 Transmitters in use in Canada 1000 of which are the Blake used generally with the Bell Telephone, and 1000 Edison used with various forms of telephones. In Montreal there are 350 Edison used mainly with the Crown Telephone (Pony) and 300 Blake used with the Bell telephone.

There are no others used to any extent.

There is at present a party here from N.Y. City named Haind who is trying to get up a company to work the "Klamm" patent Transmitter and Telephone.

Yrs &c.

W. H. Badger

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

No. 7

This Company's CIPHERS and DELIVERY SLIP are to be used on all messages only on conditions, limiting liability, which have been assumed by the Company of the Western Union Telegraph Company.
Errors are in general caused by sending a message back to the sending station for correction, and the Company will not be held responsible for any delay in transmission or delivery of messages.
The message is to be sent by the sender and is delivered by request of the sender under the conditions named above.
A. R. BREWER, Sec'y.

WOLVIN GREEN, Pres.

Directed Menlo Park N.J. 24 Received at Western Union Building,
St. Louis A. B. Baker BROADWAY AND DEY STREET,
G. my Aug 24 1880.

Soumand offers in addition to
two dollars yearly Royalty a
guarantee that first year shall
net us ten thousands in Royalty
think we better close the thing up
this basis as he says tomorrow
Edison

READ THE NOTICE AT THE TOP

Antonio Gonzalez,
Importer of Havana Tobacco
and Segars.

180 West Street,

New York, Sept. 14th 1880.

P.O. Box 4596.

Thos. A. Edison Esq
(Mento Park) N.J.

Dear Sir;

Yours of the 13 Inst. recd,
Address Dr. Dr. Leopoldo G. G. Balzada, del
Mento 320. Dr. Montado (P.O. Box) 196.

by this "Newport" Sept 12

Telephones checked

Yours Respectfully
J. M. G. L.

Antonio Gonzalez,
Importer of Havana Tobacco
and Cigars.

180 Pearl Street

New York, Sept. 14th 1886

P.O. Box 4596.

Mr. A. Edison Esq.
Menlo Park N.J.

Dear Sir; Yours of the 13 Inst recd,
Address Mr. Dr. Leopoldo Carrasquel, Balsada, del
Norte 320. Or, Matanzas (P.R.) 196.
by the "Newport" Sept 2nd

Telephone ship sent

Yours Respectfully,
Antonio Gonzalez

Leopoldo, Carrasquel,
Mr. Antonio Gonzalez,
Importer of
Havana Leaf Tobacco
and Cigars.
180 Pearl Street New York

Antonio Gonzalez
Importer of Havana Tobacco
and Segars.

Box 4596.

180 Pearl Street
New York, Sept. 14th 1880

Thos. A. Edison Esq
(Central Park)
N.Y.

Dear Sir; Yours of the 13 Inst. recd,
Address: Sr. D^{ca} Leopoldo Carvajal, Calzada del
Morito 320. Of Montado (P.R.) 196.
by the "Newport" Sept 2nd Telephone 2116/2117

Yours Respectfully,
Antonio Gonzalez

subscribed July 13th 1880
6 Disks add 20 pc to bill
6 pony crowns send to the address
6 magnets Cells give who will
12 Cells Fuller Battery pay in delivery
all ~~set up~~ in working order and make 24 pc
ready to be put up with
printed instructions they are for
private use.
Thos. A. Gonzalez

T. A. EDISON,

Menlo Park, N. J.

Sept 14 1880.

Cable

1 P.M.

Edison Menlo Park

Send instruction Telephones

Carvajal

6 Havana
10:9

Prof see that this
is attended to

E

11

REAL FABRICA DE TABACOS
CASA DE CABAÑAS Y CARVAJAL



L. CARVAJAL Y CIA

Apartado 198

Alcarraga, Telégrafos
CABAÑAS

Habana 18 de Setiembre de 1880

Sr. D. F. Cason.
New York

Muy señores: Sin apreciable alguna de
v. a que tener el gusto de Corresponders, es mi objeto
decirle, que se han recibido los teléfonos que se piden, y se servio
v. remitir con toda eficacia, pero no comprendiéndose bien para
instalarlos el mecanismo de las pilas y ni el de los aparatos, es
preciso, y se duplica, se serva remitir una explicación Circunstanciada
cada plana que puedan armarse, y funcionar con la precisión
y regularidad debidas, a fin de que no tengan entorpecimiento
y puedan entenderse en uso, y haverle mayor provecho.
Así como no dudo, en encontrarlos proyección y consumidores.

Espero que no se haya olvidado de mis liras eléctricas,
pues deseo recibir la para ponerla en uso, y haver ver a mu-
chos que aun están interesados sobre la precisión y perfección
de ella, que no es conveniente más, sino que los señores señores
que hablan y dan a conocer los adelantos y sus ventajas.

Deseario tener noticias sobre el costo de la
prueba que hicieron en el Camino a Buenos a Pensilvania
de un ferrocarril eléctrico, se reitera a sus señores a sus
amigos y

L. Carvajal
C. J. J.

2. D.

PENNSYLVANIA RAILROAD CO'S TELEGRAPH.

Received,.....Office,.....Operator,.....o'clk.....M.....18

From *Dr. W. Edson*

For.....

Have received the telephones I sent for
(or asked for) but do not understand
well how to put them up and wish you
to give me particular minute instructions how
to put them up -

I hope you have not forgotten my
electric light as I wish to get it & put it
in use so that I can show it to the
incredulous - I hope to hear from you
soon in reply with the necessary instructions
yours & cordially

5-

Cable

Sept 22 80
5:10 Pm.

Edison

Menlo Park

Have Banker Puckett
sailed Hubbard pushing
Continent tremendously
Unless you act immediately
You risk all

Gouraud

20 London
~ Rly

Subject:..... In reply to yours of

WESTERN ELECTRIC MANUFACTURING CO.,
92-98 NEW CHURCH STREET,
NEW YORK.
CHICAGO,
125-127 KANSAS STREET.

SEPT. 23-RD. 1880.

T. A. EDISON, ESQ.,

MENLO PARK,

N. J.

DEAR SIR:--

THE TELEPHONES SENT TO CARVAGAL, CUBA,
WERE 6 DESK SETS, 6 PONY CROWNS, AND 6 MAGNETOS.
THE DIAGRAM INCLOSED IS ALL THE EXPLANATION
NECESSARY FOR CONNECTING THEM UP.

YOURS TRULY,

WESTERN ELECTRIC MFG CO.

INCLOSURE--

CABLE ADDRESS.
"GOURAUD, LONDON."

N. S. City of Richmond

6, Lombard Street, E.C. 4.
London, 22nd Sept 1880

Thos Alva Edison Esq

Wentworth Park

New Jersey

Dear Sir,

Richard India & Colonial Ag. This
has been left in abeyance till my
return and upon my arrival I found
Hubbard and Donald Currie both away
the latter on a sea trip with Mr. Gale
(the Prime Minister) the former on the
Continent. However I sent for Mr
Hubbard and we are all here now
and we have practically engaged a
man to go to India on the 29th Inst
and we meet tonight at dinner for the
purpose of closing up details - Ames
who has had considerably to do with
the American Companies is here and
seems an intelligent and energetic
man and has made a good impression

John P. Bigelow the late Confidential Agent of the United States Treasury here and connected with the funding operations has joined us. He is a first rate business man thoroughly well known and a great acquisition.

It appears as if Telephond is looking up although so far as the United Coy is concerned it is most atrociously managed. Some of the Directors have recently resigned however and we shall now get better men. Two old Liaison Directors Mr Phillip Woodhouse & Mr William Fowler have resigned they were all very well for the use of their names in order to help us get the money but beyond that they were no use - seldom attending Board meetings - and when they did practically of no assistance.

We shall at a meeting of the United Board today elect a first rate man who has been conspicuously successful as managing Director at Liverpool Yours very truly

W. Howard

3 Gouraud Oct 1 - 80
London

Pailey and Paskav
have left with powers
to negotiate with you
Edison

14 M Oct 1
8 Ki
9⁰⁰ am

2 Cable Oct 1 - 1880
Edison 841 Am
Menlo Park

What about Edison European
they make a great mistake in
this delay large and powerful
anglo american syndicate forming
here to work. Bell Evans - I
where can settle with them
if I have powers if my
offer is not acceptable cable
counter offer I will give
prompt reply
Gouraud

49 London
Kie

346 BROADWAY

New York Oct 5th 1890

T. A. Edison Esq.

Dear Sir -

I send you copy of
letter this day recd by me from
Col. Leonard, in re Edison Telephone
Call, and am, of course, at
your service, if you choose
to need me in the matter
mentioned. Very truly yours
J. B. Eaton

Have investigated & found

Gold & Stock Telegraph Company,

A.C. Howe 1895

George B. Prescott,
Vice President

Western Union Building,

New York, Oct. 25th 1890

Thos. A. Edison Esq.,

Dear Sir:-

Mr. Trembly has reported his interview with you in regard to the settlement of your Canadian telephone interests by the receipt of a definite sum per annum in lieu of royalty, and I have the pleasure of informing you that the Gold and Stock Telegraph Company accepts of your proposition for the annual payment of \$2000 per year for seven years, in full settlement of your rights under the Agreement of Jan'y. 21st 1879.

Yours respectfully
George B. Prescott,
Vice President

Copy

We, the Gold & Stock Telegraph Company & Thomas A. Edison the parties to the agreement of Jan. 12, 1879 of which the foregoing is a copy, hereby further agree this 12th day of November, 1880 as follows.

First

The said Gold & Stock Telegraph Company for and in consideration of a full release which is hereby given from all obligations imposed upon it in behalf of said Edison by virtue of sections first, second, third, fourth and fifth of said agreement of Jan. 21, 1879 will pay to said Edison Fourteen thousand dollars in seven equal annual payments, the first of which payment is hereby made upon the execution of this agreement, and receipt thereof acknowledged and the remaining six payments shall be made successively and at the end of each succeeding year for six years hereafter, and

Second

For the consideration above specified, the said Edison will and hereby does grant the said release, and further hereby relinquishes to the said Gold & Stock Telegraph Company all prior and back claims to royalties of every nature whatsoever accruing to him from his telephone inventions & Canadian patents for the same by virtue of said contract or otherwise, owing to the use of said inventions and exercise of said patents throughout the Dominion of Canada, and hereby assigns and conveys to the said Gold & Stock Telegraph Company, all his right to extensions of his Canadian patents now issued or which may hereafter issue subject to the aforementioned contract of January 21, 1879.

In Witness whereof the said Edison, and
the said Gold & Street Telegraph Company,
by its President, have hereunto set their
hands and seals said 12th day of November
eighteen hundred and eighty.

In presence of.
Wm J Hammer.

Thomas A. Edison

(Seal)

Recd this day Two thousand dollars from
the Gold & Street Tel. Co. on account of and
as the first of the annual payments
mentioned in clause first of above
agreement of November 12th 1880.

Dated New York
December 2 1880.

T. A. Edison
by Wm Garman.

Don
Hermann

Hong Kong 5/11-80

Dr. Schenk
And. Kersch

Hong Kong 5/11-80

Sig. Professor
E. Di. von ^{Grisebach e von}
^{Chiusa man. g.}
^{Reichenberg}
^{Don Hermann}

Ho l'onore di notificarle
per la prima volta alla
S. V. che desiderando far com-
mercio del Telefono in
questa città, non avendolo ancora
avuto, però, avendo me ne ho parlato
fatto volentieri atto, mi si è
pregato, mandare al mio indi-
irizzo del R. Consolo d'Atene
in Hong Kong un campione del
suddetto Telefono, e per evitare
spese soverchie di quella e buona
mercato, oppure se non è possibile
cio, almeno il pagamento della

qualità e pezzi, per montarlo
è spontaneo ecc. che spiegar
basta, che desidero per l'
ultimo ordine, appena sarà venuto
ho risposto a questa mia, spie-
gando le ragioni per cui con-
tinuo di più, spiegar che per
il mese di maggio dell'anno
vinto, avrò l'onore di fare
la consegna di un nuovo
il tutto del nostro secolo, come
è venuto, Lei; per cui
attendendo ansiosamente un
riscontro favorevole, e colui
spiega di essere unitamente
l'indirizzo di sua abitazione
mi dica sua cortesia.

B. Schenk & E. Maschmann
No. 10, Queen Road Central Street.

Appena dal Signor Console
D' Italia.

Hong Kong

M. H. Campione del Telefono
ecc., per la spesa sarà
da me al D. Console D' Italia.
in questa città, poiché
mi ignoto il prezzo ecc. non saprei
regolarla diversamente, perciò come
ho detto una qualità semplice non
complicata, perché mi ha fatto la
prima vendita.

89 Wall Street
New York
November 17th 1891

Thomas A. Edison Esq.
My dear Sir

I cannot last
report progress for
China. It does seem
that things must ^{necessarily} progress
slowly in the East. but
I feel confident in saying
that I believe we are
in the right track now.

My friend Mr John
Pitman has written

me at length upon
the plan that he has
finally matured.

Mr Pottage left
Toledo for Hongkong
(the proposed base of
operation in China)
the last week in Oct.
He wrote me "It will be
necessary to protect
Mr Edison's invention
in Hongkong & therefore
please send me full
particulars of the patent

he has taken out in
England properly attested
(all expenses of this I
will pay) & see that his
invention has secure
protection & although
China has no patent
law of protection, it is
not impossible that I
can bring influence
to bear & get it specially
protected in China as well.
I will also be well to
furnish me with full

(4)² Particulars of ~~the patient~~
² of any improvements
² made from time to
³ time also let me have
³ one of the instruments
³ which increases or subdues
³ the sound of the voice
³ intransmits, as all this
³ will have its effect on
³ the Chinese mind as
² once I feel confident
² on the receipt of
² this you can wire
¹ me to Hong Kong.

7 The date Mr Edison
3 obtained letters patent
3 for his telephone in
2 England as this will
7 enable me to take
5 an affidavit to obtain
1 protection at once in
6 Hong Kong, as long
4 as I can swear to
3 produce a copy of
2 letters patent within
1 a certain period & x x
Also add for some

6 Consideration that Mr
Pitman says in ~~the~~ con-
clusion: "It may be
3 that Mr Edison may
3 prefer an American
3 to push forward his
3 invention. If so, don't
3 have the slightest
3 compunction in letting
3 me know." —

I also have the
liberty to enclose &
further extract from
Mr Pitman's note

From which you can
draw your own
conclusion as to the
intelligence of his
views & propositions

As a friend of my
father & Mr John
Boke Stannard's re-
commendation as to his
personal character &c
I deem superfluous.

Kindly reply
at the earliest possible

I mentioned so that there
need be no time lost
in running the wires.

Faithfully Yours
Wm Oakes

Extract letter John Peterson
 Esq^r. Dated Tokyo 21 ulto

44 x I will confine my-
 self by this opportunity
 to Hong Kong, & China,
 merely remarking in
 passing that on my
 return to Japan some
 two months since Genl.
 Helander explained to me
 the steps he had taken
 to further the views & ends
 of Mr Edison & himself.
 but we agreed that it was
 necessary to induce more
 prompt & satisfactory
 action. That this scheme
 should be taken out of the
 hands of the Mitsui Bussan
 Kaisha (those originally
 entrusted with it), & worked
 in the manner indicated
 by, & on, from Central.

Exchanges &c-

A continuous experience of some 23 years in India, China & Japan, at first as an officer in the British Navy, in Indian service, thence through the Crimean war & subsequently, since my retirement from the British Navy, always occupying an entirely independent position & on terms of cordial friendship with the high officials of this (Japan) Country, as well as many of those of the ^{neighboring} Countries of China. I am therefore in a position to give an opinion on the important invocations of the distinguished inviter & am fully convinced that there will

sooner or later be appreciated in China & in Japan as fully as they are appreciated elsewhere.

Thanks the telephone for instance. The Chinese are a super sensitive race & so very delicate & thin.

The Electric telegraph acts like an electric shock on them. It paralyzes them. They say that it causes them to think too quickly & they do not appreciate it yet.

The mandarin, as well as the people often adduce this argument. But becomes a different question, when they have to deal with an agency which conveys the voice

of their friend, or
colleagues & they will
I am sure appreciate
it in its great & beneficial
bearings abroad.

I have proposed to
commence operations
in Hong Kong the British
colony adjacent to the
great Southern Ah of
Canton. A long & intimate
friendship of 45 years
standing with Sir John
Pope Hennessy, the
Governor of Hong Kong,
enables me to speak
with confidence of obtaining
all the assistance he can
give in this matter.

In Hong Kong centres
much of the more in-
telligent and progressive
Chinese from that centre
it will hear well to hear

of our parallels on the
neighboring Empire
under cover of the
reputation which its
successful operations in
Hong Kong will assuredly
create. & x x x x x

If Mr. Gibson refuses to Mr.
John Russell & myself he will
doubtless tell him whether
he considers the plan I
have indicated regarding
Hong Kong & China the
most suitable one or not.

Yours

John

NY Nov 22 88
Wm. S. Johnson
New York

New York 22
Nov. 22 1888
Thos A Edson Esq
D. C. file

Confirming
Despatch of this day
asking whether my
word of 17th inst. had
reached you. I now
have to advise that
I am without reply
would ask that you
favor me with a line

ofacknowledgment
abysm. Indeed
Conscience is that
I may communicate
with my friend in
Hong Kong immediately.

I have word from
Tillio that a full
statement as to
proper them will
reach me by the
coming steamer.

Believe me
Im faithfully
Yours
Wm. L. Stearns

1880. Telephone - Foreign - Chile (D-80-047)

This folder contains correspondence, agreements, and other documents relating to the promotion of the telephone in Chile. Much of the correspondence is by Jose D. Husbands, Edison's agent in Chile.

All the documents have been filmed except for duplicate copies of correspondence.

Walter W. Morgan

Talporaiso

Chile

Jan 7 9th 80.

Thos A Edison Esq.

Dear Sir

I suppose it would be
superfluous to narrate any of
our experiences on the voyage here
outside of what Mr. Grubbs has
written you. I will as briefly as
possible state the condition in which
I found the instruments &c when
unpacked.

1st The Chalks that you put in
(three turned & 5 unturned) &c
all unvested. Three of them got
lost in transit. One of & spoilt
the turned ones & chipped the
unturned considerably, but I
can use the latter all right.

2nd The Telephone turned out very
fine indeed no faults whatever.

I have put up a Model Battery was, that it was perfect in every
System in a private Bldg here respect but one & that was, it was
making four offices. one room not round. (Kind of an eccentric),
being Mr. Hubbards. I find that & hardly suitable for telephones. It
only one of them belnd out as told. I am trying another one tonight
at the Laboratory. But hope in I hope to meet with better success
the Course of tomorrow, to locate. He is a good man, but his lab he
the trouble & set them all right is not true

It seems to me as though In regard to batteries
the Chalks have got perfectly I have only four of those small
dried up, for they won't bear Laclanché cells, ^{of much capacity} for the Trans-
but a very slight tension when & it for the bell. that may account
speaking & whistling considerably for the instruments not being quite
but will not pay it positively so loud, as you know, they don't
until I have given them a proper near equal of four of the Callender
test. I only completed the wire you tested them with. Our shop
running today. Have to improve of Fuller batteries have not yet
insulators &c. arrived & when they come we shall

I have & expect to have some be all O.K. I feel perfectly
difficulty in getting the Chalks confident that I will set everything
turned properly here. I tried the right in them & got things working
best man I ever had in the City in first class order to your satisfaction
with one last night & the result I am concerned

I mind well what you used to tell
us. When putting "Rags" in the Instr.
(Now think of that or that is all right
the table must be so & so.)

Mr. Husband writes you by this
mail & will acquaint you with the
business part. & for the working
part, I will again say, it shall have
my whole heart, & energy.

Will you kindly write me in regard
to hints or instruction about the
instruments then. I shall get them

In conclusion pls accept my
128 compliments of the season to yourself
Mr. Catchelo, Mr. Griffin & the rest of
my friends. I will write you
fully, how things work when properly
started. I believe me.

Yours Very Resp^{ly}

Walter T. Morgan

Aint got properly acclimated yet
Had bad trouble with my Rodelo.

JOSÉ D. HUSBANDS,
VALPARAISO,
CHILE, S. A.

Valparaiso Chile, S.A.
January 27th 1880.

for "Santa Rosa"

Thomas A. Edison, Esq.

Menlo Park N.J. U.S.A.

My dear Sir,

As usual mail day finds me over loaded with matters of business interest and therefore have so much to say that it is hard to find a starting place. As my last letter was about Morgan I will simply say that he came around and said he would do what I wished so he went to work and put water on the chalks as I wished & they worked splendid. Water worked so well that he claimed that he was always in favor of it & of course I made no objection. He kept putting on water until he made much of them. So we turned new chalks & they ^{work} elegant. Mr Morgan is forbidden to put water or any thing else until bidden so the prospects are we will have 4 phones in good shape from now on. He is doing the best he can but with all is not the

"The man for the place - is a mere
baby & there is no business in him,
I will telegraph for another man as
he is needed. The business is a success
beyond what I had expected: be assured
that I shall watch your interest and
do the same as though it were solely
my own matter. but what I do I
trust will please you all. action
is necessary. it is too far away
to write first. Today I telegraphed
for 100 instruments, Batteries & 10 miles
of wire. which I trust will be sent
at once as we are in want of them
at once. business is pressing. This
comes from a proper starting of the
Enterprise, it is in good hands &
already popular. Had orders yesterday
for 12 telephones. Yesterday July 23 -
we all met at the Vice Consul's
office - and organized. The law of
Chile compels stock to be paid up &
the Co cannot be properly organized until

3/ The grants are made by the Govt
then it will be regularly organized
under the laws of Chile. The business
done yesterday was to sell to the
4 gentlemen whose names I last
wrote you. Your patent when you
get it for \$50,000. paid up stock
The other 50,000. paying all expenses
and furnishing all capital. They
voted to purchase what was ordered
by cable today and I will remit
per next steamer \$10000.00 on a/c
The balance will be paid on the
arrival of the R/S by draft on London.
\$10,000.00 was voted subject to call
at sight of the things ordered of course
you own one half jointly with me but
the payment of them is to be made by
the other half of stock. We shall
want at least 50. telephones in
Valp^o & Santiago. The Government
is very much interested & renders
all the aid in its power. The bill

of 20 which I referred in regard
to duty on supplies has passed &
Telephones & the supplies for same
Come in free - This quick work
is unheard of in this country &
also allowing anything in free of duty
but we started with influence
enough to be a little stiff in our
requests. It is very important that
you send me a full power of
attorney ^{in duplicate} attested as directed before
by a Notary first, then the Governor that
the Notary was duly legally appointed
then by a Chilean Consul or Minister
after that. Mess Kendall & Co here
hold your power of attorney for
Electric light given some time ago
if you wish you can ~~cancel~~ as
I hate to feel that you need two agents
in so small a republic as Chile.
If we can't run things there must
be a "bug" in the plan some way -

5 Very soon I will arrange to
have all expense on the new &
have you a free holder of stock
Now I would like to hear from
you very much - and also what
portion of the \$50,000 - stock you will
allow me in my own right, also
if you desire me to place your
stock on the market & if so at
what prices, the cheapest. I would
have no trouble placing it at a fair
price. Several people are fighting
your right to the exclusive use of
Telephone in Chile but we are too
strong for them and there is no
doubt of the issue. The Bell &
English phones are a thing of the past
and Edison's Belcher an established fact.
The Chalks are a grand success
but very different with us than you
they dry out much wetting about once
a week but they look awful loud &
give the most perfect satisfaction
you may find it necessary to add

6 An automatic writing arrangement
or one that by a little pressure at any
time required will supply as much or as
little moisture as may be needed to
gain a proper tone - as I think the dust
gathers on the chalk & they should never
be opened ~~over~~ in properly - all adjusting
being made from the outside same
as the rubber. I mean so far as writing
is concerned - Your picture was duly
given to the President who will respond
when the question of war will admit.
The ore or tailing business will be
duly attended to. I already have sent
to several mines and have about a
dozen samples. & some new things ^{Among}
them will be a sample of a vein of
pure platinum (said to be) about 12 inches
thick - of course you will tell. I will
get the Edison Telephone Co's office
open in about 10 days. Please send
a lot of chalks all turned & some not
& pack in away so as not to damage
the others were packed like potatoes
in a bag. Goodbye. Regards to all, write
me. Eldred to see my letter. Your next steamer. Write
me, send papers - I'll be posted - Yours - ^{hasty} J. D. Hubbard

Kalparaiso

Via New York Jan 24/80

Edison My argumentum

Blondine gone.

arbitrate fideletes

galice Clark

Husbands

13 Cunct

310

Loren

1/24/80

T. A. EDISON,

Menlo Park, N. J.,

1880.

Cable Jan 28. 80

Valparaiso Jan 24
Edison NK

Send switchboard for 50
subscribers. Send 100 insts
with batteries complete. Machines
working splendidly prospects
extremely favorable will do good
business. Payment secured and
money deposit made on account

Have written (or will write first
steamer) full particulars by mail
Cable from Lpool Husband
100 Miles No 12 gals wire

RP

Jan 30.80
743

Edison

Menlo Park

Fusion broke here
personal favor you
agree Clark going Chili
answer

Eldred

14 Paris

LA COMPAÑIA CHILENA
TELÉFONO DE EDISON
DE VALPARAISO.

José D. Husbando, Director Jerento.

Valparaiso, July 31st 1880.

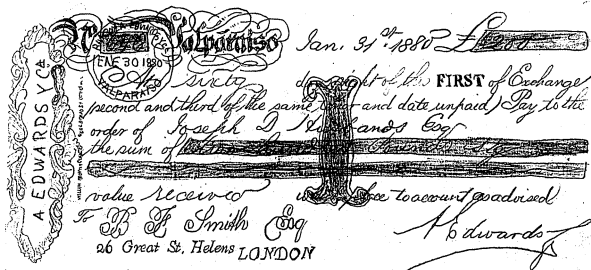
Thomas A. Edison Esq
Mentlo Park. N.Y. U.S.A
Dear Sir,

Please
find enclosed Bill of Exchange on
J. F. Smith Esq 26 Great St. Helens
London Number 846-^{60 3/4} first, second
& third for £200-^{60 3/4} stg. The same
to be applied to the payment of
goods telegraphed for Jan'y 24, '80
The balance of Invoice you
will please draw for by B/L in
London exchange at.

Trusting these terms will
be satisfactory I am

Very truly
Yours obt servant
José D. Husbando
Managing Director

[ENCLOSURE]



LA COMPAÑIA CHILENA
TELÉFONO DE EDISON
DE VALPARAISO.

José D. Husbands, Director Jefe.

Valparaiso, January 31st, 1880.

Prof. Thomas A. Edison

My dear Sir,

I have never been pushed more than the time since I last wrote you, of course troubles come thick & fast, about running wires & a strong opposition from the agents of the Bell Tel. Co. English & German machines. They threaten to cut the wires &c &c but these details are what you entrusted me to care for. So I will not annoy you with them, only be assured that my task is not an easy one, although an assured success beyond any question. The company is organized with the best men in the city. I am the managing director, all ~~is~~ wanting is instruments to go to work, as well as supplies. Our office is very central and as fine a one is any in the state. Has been in it two days and in that time have had positive orders for over 50 telephones - all in a hurry. 3 days ago I took down three in my house and

LA COMPAÑIA CHILENA
TELÉFONO DE EDISON
DE VALPARAISO.

José D. Huibani, Director Jefe.

2

Valparaiso,

1880.

Have connected from the ^{main} office with the
American Consul, the City authorities & the
Pons have all offered their columns - latter
on their kind offer will be accepted. To
day 9 firms have come to the office
& asked connection with the main office.
The class of patronage is among such
people as to give it a good send off.
I trust you will be pleased with my
success. please remember that I lack
2 days of being a month in the country.
Agreeable to my last letter I send in
this mail a draft for £ 200 - anyway
but I want American exchange if possible
I am promised it. Enquiry is already
made for the stock with the answer
"none on the market". My intention is
to write you all you wish to know but I
may unintentionally omit many things.
Do not neglect your promise in regard to
Electric Light i.e. that I should have it, if
I was successful with the Telégrafo. This
thing will make you considerable
money as Santiago rather place will be
started as soon as this place is in operation

LA COMPAÑIA CHILENA
TELÉFONO DE EDISON
DE VALPARAISO.

José D. Huebana, Director Jefe.

3

Valparaiso,

1880.

You owning one half of all profits
was spoken up jointly with me in all
the Companies formed. My aim is to carry
out practically what we talked over so
many times. Your friend is thick enough
to chat. To day parties committed me
in regard to whether they should sell their
gas stocks or not. Mr Morgan is doing
OK now even more measured, the success
here has shown him a good place. I can
use him and another man, as Santiago
must have a new man. You put your
self in my hands. I now am in your
the entire interest. I represent (one half)
(50,000) being for you and my part what
you say is right for me to have. I trust
you will see the things telegraphed for
dispatched at once along in this manner
for they have been sent forward. By the
next steamer I will make up and
hope to have the whole thing on the hand
of the new company - it would be but for
the lack of time to attend to it. The man-
ufacturing Co's need feel no hesitating with
their dealings with the Chile Co, as the men

LA COMPANIA CHILENA
TELÉFONO DE EDISON
DE VALPARAISO.

José D. Husbanda, Director Jerente.

4

Valparaíso,

1880.

Are not only gentlemen, but men of
large means and once started will have
stock enough on hand paid for to meet
any demands. We will need at least
500 telephones here and in factoring. I am
proud of my success for the success is
given to you and yours both now and in the
future. The Electric Light and Gold Mining
will go on sight when ready. There is
nothing more to say - although I
would like to talk hours to you. I have
mailed in this mail Draft on London
for £200 - No 646 on D. F. Smith, London,
from the Bank of N. Edwards & Co. Valp. The opposi-
tion is very busy but I am sure we can
go through with the patent etc. I enclose
you our official objection. Meeting you
are well and all about you are the
same. Dear Very truly

Yours to command
Jose D. Husbanda

The supplies have not yet been
transferred we made our own
supplies for the time being - a little
off - but we get along - anxiously looking
for the change from Paraiso & the telephones you will be

kindly turn out all the

[ENCLOSURE]

[TRANSLATION FOLLOWS]

Excmo. Señor:

El abajo firmante, vecino de esta ciudad i dueño de la línea telegráfica americana, ante V. E. me presento i respetuosamente digo: que en el *Diario Oficial* he visto que el señor Joseph D. Husbands, basándose en un contrato celebrado con el señor Thomas Alva Edison, de Menlo Park New Jersey, E. U., se ha presentado ante US, solicitando a nombre de dicho señor Edison, la concesión de un privilegio esclusivo para la explotación i explotación en Chile del sistema inventado por él para la comunicación por medio de los teléfonos. Como he planteado por cuenta propia i ajena en Valparaíso i otras partes de la República varias líneas para teléfonos, i pienso seguir ejerciendo la misma industria, valiéndome de los mas recientes descubrimientos i haciendo construir en el país i traer del extranjero los instrumentos de mas nueva invención, la concesión del privilegio solicitado por el señor Husbands sería altamente perjudicial no solamente a mí sino a otros que puedan pretender ejercer la misma industria, i aun, a mi parecer, a los intereses generales del país, porque establecería un monopolio a favor de un solo individuo por una invención que todavía es muy nueva i que día en día se está perfeccionando, gracias a las mejoras inventadas por otros hombres de ciencia, mejoras cuya introducción sería imposible sin el consentimiento del señor Husbands i que, difícilmente concedería si no gozaria a sus intereses o bajo condiciones sumamente onerosas e injustas.

Por estos motivos i otros, que a tiempo oportuno haré presente a V.E. o a la comisión que V.E. tenga a bien nombrar,

A V.E. suplico sirva, teniéndome por opositor a la concesión del privilegio referido, i dar a esta solicitud los trámites de estilo.

Es justicia. Excmo. Señor.—Julio Dittborn.

Santiago, enero 24 de 1890.

Agréguense a sus antecedentes, téngase presente para el nombramiento de peritos, i publíquese en el *Diario Oficial*.

Antes.

SANTA MARIA.

DIARIO OFICIAL

[ENCLOSURE]

[TRANSLATION]

H. W. Huntington
Professor of Spanish

Copy

Santiago Jan. 24, 1880

Julius Pittborn
Excellent Sir:

Being a citizen of this city, and proprietor of the American Telegraphic Line, I would respectfully say that in the "Diario Oficial" I see that Mr. Joseph D. Hubbard in consideration of a contract made with Mr. Thomas Alva Edison of Menlo Park N. J. U. S. has earnestly solicited in behalf of the said Edison, the concession of the exclusive privilege for constructing and working in Chili, the system invented by him, for communications by means of the telephone. As I have planned for my own account and others in Valparaiso and other parts of the Republic various lines of telephones intending to follow that industry, employing the most recent discoveries, and importing from other countries, the instruments of the newest inventions. I claim that the granting to Mr. Hubbard

[ENCLOSURE]

[TRANSLATION]

2.

of the privilege he solicits would be extremely prejudicial not only to me, but to others who intend to follow the same industry, as well as to the general interests of the country, because it will establish a monopoly in favor of one individual for an invention which is yet young, and is being perfected day by day, thanks to the inventive genius of men of science, and whose introduction would be impossible without the consent of Mr. Husband, which consent he would unvoluntarily grant, if not convenient to his interest, and under conditions wholly onerous and unjust.

These and other reasons I will at the proper time present to your Excellency (or send) commission as you may be pleased to appoint.

You may consider me as one who is thoroughly opposed to the granting of the privilege refused to, and I hope you will give it your earnest attention. It is but justice.

Yours truly, Donato Maria

S. B. I trust that in appointing a commission you will select such as are familiar with the subject in discussion.

G. D.

3 August 1880
1206 PM
20 Edison

Send to wharf Pacific
mail steam ship Co
foot of Canal St
marked Xusbando
Valparaiso

W H Aldred

W H
1206

LA COMPAÑIA CHILENA
TELÉFONO DE EDISON
DE VALPARAISO.

José D. Husbands, Director Jefe.

Valparaíso, Feb. 10th, 1880.

My dear Mr Edison

Permit me to talk plainly to you as if what I may say for so simple mindedness please remember the motion that prompts this letter; it is simply to serve you & perhaps aid a little. You may, if you will, call this a chalk letter for it is on this subject I write.

Chalk as a material for cylinders may be said to be a most complete success, but on the other hand, to use it, as now applied, to the telephone for commercial purposes, is a most complete failure. The writer has given this subject much thought, you may truthfully add that thought from a mind uneducated to a subject has little weight. Be it so. This climate is dry and our chalks were so dry that they sounded like a piece of metal on a dry grind stone & have little or no tack in them. Water applied is immediately absorbed. doesn't

LA COMPAÑIA CHILENA
TELÉFONO DE EDISON
DE VALPARAISO.

José D. Huabanda, Director Jefe.

2

Valparaíso,

1880.

lie on the outside at all; it will also absorb water enough to make it like paste. In a short time, it seems to change the character of the surface. & open up the pores more or less, i. e. the first wetting of an new chalk works well for about a week or 5 days. The second wetting 2 to 3 days & the 3^d hardly 24 hours - so that to have our machines in order for tomorrow we must go around at night & give them a dose of water. Other wise there is no talk. Although part of the time the water is sucked in so quickly that we can talk at once. The tone is instantly improved; from these experiments I learn that the combination of chalk & water produced a perfect reproduction of the voice as now connected but that the application of water to the surface of chalk destroys it practically for holding the water internally. and the brush washes out the fine or more loose particles. leaving a coarser & partially uneven surface. This changes things and while others do not know what I think are satisfied. To keep things going a corps of men should go around with buckets of water and rub up each chalk

every day - this would break the
fat of the business - to such an extent
as to kill it. This situation of things forces
me to seek for a remedy - Certain things
cannot be done. The surface cannot be
touched by water or a brush from the
out side - there being no other side but
the inside - therefore why not apply it
there & how? By having a supply of
water whose head is even or a little below
the level of the chalk surface - Have the
chalk shaft perforated or studded - make the
crank shaft hollow to the end of the chalk,
put in a self feeding water cup - which
delivers the water into the center - the
chalk will then absorb any required water
& no more, as the pressure of the air will
be so great as to keep from having too
great an amount of moisture on the surface,
the electric current passing in & out from
the chalk shaft would make the supply
of water automatic - This may be a crazy
idea but I feel that if I had the tools I
could make one work practically, although
I may not use the proper terms, at any
rate go to work at this place & try the

LA COMPANIA CHILENA
TELÉFONO DE EDISON
DE VALPARAISO.

José D. Huabanda, Director Jefe.

Valparaiso,

1880.

plan of automatic internal water supply
& also the polishing of the entire surface
of the cranks out side the telephone put it
in position polished, also by making the
crank frame adjustable you can utilize the
whole surface from end to end. With this
arranged in working order we have a
perfect instrument, I have just read the
forgoing to Mr Morgan who says it is &
always has been his idea & My comment
is, that he has never suggested any thing of
any tin kind or character, except as regards
his stomach & pay - but claims any thing of
others.



- 1 Water cup
- 2 2 bars for crank shafts
- 3 Crank
- 4 Water in Crank shafts to H²
- 5 End of water cup where water is delivered
- 6 Seat of hollow crank shaft
- 7 Screw cut in water cup arm, in box 2
- 8 Solid Crank shaft

Excuse me my friend & accept
My Compliments
Yours truly J. D. Huabanda

T. A. EDISON,

Menlo Park, N. J.,

Feb 11th 1880.

12:15 pm.

T. A. Edison
(M. Park)

Clark sails tomorrow with
instruments and material
Have you ciphered Husband
Did you send extra parts
for repairs with the Moto's

H. H. Eldred
Genl Mgr

215A

8

Feb 12 80

Husband Valparaiso

Incredible Clark

4 Menlo Park

Feb 12

6 pm
9 LK

WESTERN UNION TELEGRAPH CO.,

TELEPHONE DEPARTMENT.

H. H. ELDRED,
General Manager.

P. O. Box 4061.

New York, 13th February 1888

Prof. Edison Esq/
Menlo Park N.J.

Dear Sir:

Your several favors in regard to
the shipment of Protaphones and Switchboards duly
received

The cases came to land apparently in good
condition, and I gave personal attention to their delivery
on board the Pacific Mail Steamer Acapulco, and paid
charges thereon amounting to \$120.¹³/₁₀₀

Mr. Clark sailed on the same steamer, and
I have written Mr. Husbands fully.

Would it not be well to make up small
package parts of the metaphone for repairs to send
Husbands on next steamer?

Yours Respectfully,
H. H. Eldred

LA COMPAÑIA CHILENA
TELÉFONO DE EDISON
DE VALPARAISO.

José D. Husbands, Director Jefe.


Valparaíso, Feb'y 14th 1880.

Thomas A Edison Esq
Menlo Park N.J. U.S.A.

Dear Sir,

Enclosed 2^d of Draft No 646 A.
Edwards & Co on B. F. Smith London
for £ 200- on a/c of goods ordered
by telegraph. The first of said was
sent per last steamer Jan'y 21, 1880.

Very truly Yours
J. D. Husbands


 P. 1846 Valuation Jan 31st 1880 L. 1846
 No. sixty day right of this SECOND of Exchange
 first and third of the same tenor and date unpaid Pay to the
 order of Joseph A. Rupprecht Esq.
 the sum of ~~the value of the~~
 value received in full place to account as advised.
 To B. B. Smith Esq.
 26 Great St. Helens LONDON
 Edwards

LA COMPAÑIA CHILENA
TELÉFONO DE EDISON
DE VALPARAISO.

José D. Huinkanda, Director Jefe.

Valparaíso, Feb. 14th 1880.

S. D. D.

Thomas A. Edison.

Wash. Park. N.Y. U.S.A.

Dear Sir,

Please have
ready for shipment, to be shipped
when we cable you the word "What"
the following for the "Edison Telephone
Exchange" in Santiago. i.e.

- 1100 Edison most improved Telephones
- 4 Switch Boards 24 or 25 Each
- 200 Cells suitable Battery for same
- 1500 Wood Brackets
- 800 " Pins
- 1500 Pine (Clas.) Insulators
- 500 Porcelain " }
- 300 " office knobs } with screws.
- 100 lbs office Wire Each 16 or 18 half inch ^{thick} _{12 gauge}
- 50 Carbon Buttons
- 100 Extra Chacks
- 3 Vices & Straps, 2 for Climbors
- 6 for Study files etc Each 5 & 8 in
- 2 Coils Binding Wire Galv. Iron #16
- 500 Binding Posts.

Very truly

José D. Huinkanda
Managing Director

LA COMPAÑIA CHILENA
TELÉFONO DE EDISON
DE VALPARAISO.

José D. Husbands, Director Jefe.

Valparaíso, Feb. 14th 1880.

Prof. T. W. Edison.

My dear Sir:

Your cablegram
Incredulous Clark came to hand
yesterday - much obliged. We shall
inquire shortly after you receive
this say 20 days the enclosed memorandum
of goods for the office
in Santiago, excepting a few binding
posts &c. There will be a system
of small offices 25 to 50 in country
places run in connection with the
Telegraph Co. later on, things are
more than good & getting better
daily. No flash but a regular
thing. Lack of supplies & a good
man are the only drawbacks. Mr
Morgan is willing enough now - but
has not capacity enough to do anything
of his own accord. He has neither
strength or disposition to fix the bill.
He brought in a bad bill of \$186.50 for
January after all the trouble & what has
been said. If you know of any

LA COMPAÑIA CHILENA
TELÉFONO DE EDISON
DE VALPARAISO.

José D. Husband, Director Jereente.

2

Valparaiso,

1880.

Real good position, in a pleasant
location, at reasonable hours, big pay
and fine grub, with no work. He will
fill the bill. Be pleased to find here
with enclosed copy of our contract and
instructions in English (which may look poor but
but English printing set up by a man who has
no possible idea of what is doing is not easy)
we use the English ones with Spanish and
also in Clubs, Exchanges, Banks, Public
Houses &c I trust you are pleased for
I have really endeavored to do so worked
night and day. The Spanish language is
hard for the telephone & the mind works for
for they have no idea of anything mechanical.
We will remit before you ship the
Goods for the Santiago office which will
be a separate Co from this - owned by the
same & a few government men, of course
your percent holds good in all companies.
Mr Griffin must not forget
to send me any thing via printed matter
- haste yours

Every time

Husband

Consulate of the United States

at Valparaiso, Chile, February 21st, 1880.

Prof. A. Edison, Esq.,
Menlo Park,

New Jersey.

My dear Sir: Your favor with enclosed assignment of telephone rights was received by the last mail. As you have been informed and to which you have signified your assent by telegram, some change has been made in the plan as originally proposed. The assignment thereof will be retained by me subject to your instructions.

Mr. Husbands has probably informed you of the character, standing, &c., of the persons who have taken an interest in this business.

The first thing was to procure Patent & exclusive privilege from the Govt.; this will probably be secured within two days. We have given our guarantee that you will transmit the necessary Power of Attorney for that purpose. Municipal rights have been secured; these concessions are made in your name. Mr. Husbands is pushing the business with much energy. The central office has been selected and is being arranged,

Several miles of wire and in place, and insulators for several more. The six telephones bought by Mr. Kuehns and manufacturing public opinion. Some obstacles are being thrown in the way, but the people as a rule have taken to it more readily than we could expect. Mr. Kuehns has carte blanche to draw upon us for the necessary funds for construction and materials. He will order by cable, on Monday, one hundred additional telephones, making two hundred ordered.

The outlook in this matter is good and very much is due to Mr. Kuehns' push. The company will not of course be finally formed until all the necessary rights are secured. We have gone forward without any written agreements relying upon the good faith of all parties concerned.

We should be pleased to have suggestions from you at any time; your name gives force and confidence, and gives character to the enterprise.

Very sincerely yours,
Lucius N. Fiske

Mr. Fiske
 100 West 11th St
 New York City

Valparaiso L.A., 27 Feb'y 27, 1880

Edison, N.Y.
Wink goat Blondine Festina
Argumentum Arbitrate

Translation

Wink - Ship glass's insulators
Goat - Expenses ceased from today new Company
take charge matters all secured and details
sent by mail.

Blondine - Sent 100 instruments with batteries, etc.

Festina - The money is received O.K.

Argumentum - Sent invited boards for 50
subscribers soon as possible

Arbitrate - Machines working splendidly
prospects extremely favorable
will do good business

Know all men by these Presents
That I Thomas Alva Edison of Menlo
Park in the State of New Jersey United
States of America have made constitutions
and appointed and by these Presents do
make constitute and appoint Senor Jose
O'Husbands of Valparaiso Chili South
America my true and lawful Attorney for
me and in my name to apply for Letters
Patent in Peru for my invention of
Improvements in Telephones
to prepare and present to the proper authorities
whatsoever documents may be required for obtaining
such Letters Patent or other concession and to receive
such document and to give receipt for the
same hereby giving and granting unto
my said Attorney full power and authority
to do and perform all and every act
and thing whatsoever requisite and necessary
to be done in applying for and obtaining such
Patent only as fully to all intents and purposes
as I might or could do if personally present
and hereby ratifying the same in advance
In witness whereof I have hereunto set my
hand and seal the 27th day of February in the
Year of our Lord 1880
Signed and delivered
in the presence of
Frank McLaughlin

signed Thomas A Edison

LA COMPAÑIA CHILENA
TELÉFONO DE EDISON
DE VALPARAISO.

José D. Husband, Director Jefe.

Valparaiso, Feb 28th 1880.

Prof Thomas A. Edison,
Menlo Park N.J.

Dear Sir,

There is nothing
new to write as the chalks remain
with that peculiar longing for water
that a man has having been out
the previous night. Matters go on
just as reported and furnish a splendid
thing. if telephons were here we could
be reached. The exchange is being
fitted up in a substantial manner
& will compare with any you have
in the States. Will you please send
me some pictures of yourself, the more
for there is great like a drawing such
as Mr. Matt. had nearly done when we
left, & any other you have lying about
not of use to you regarding any of your
inventions as my wish is to have an
Edisonian office. The cost to turn them
here is very great you had better send
them through or a letter with tools complete.
The wire received from Liverpool is
very good we are well pleased with

José D. Husband, Director Jereñte.

Vulparaiso

1880

On July 23, in telegraph for scientific
telephone on 4 of the demand for them.
In the mail we omit your letter.
Our call in the mail we received.
None of your electric plans have
been here. The one sent to the
Henderson but was seized in Paris.
I would like one very much to exhibit
as one of your inventions, some
might be sold there perhaps. Please
send to the goods ordered to the only
under the City 14. I Key Day a second
washers. 4 day. Paul Buttons. 2 of Bell
same as you sent (interesting). The
Work is going forward and an
on Clark & Telephone Company will
do something. We run our house like
instead of paid, placing large basket
the work are iron & it is half of the
Mr. Morgan has mixed up everything. I have
quicker sailor who does the work &
to our little patient. I hope you are
well & happy in your struggle with
the struggle. I am on the ground
- thank. Very truly Yours
John A. Henderson

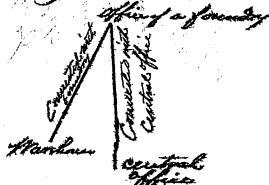
LA COMPAÑIA CHILENA
TELÉFONO DE EDISON
DE VALPARAISO.

José D. Husbanda, Director Jefe.

Valparaiso, July 28th 1880.

Prof Thomas A Edison
Menlo Park, N.J.
Dear Sir

Will you please explain to me how to do the following, i.e.



how can the same telephone in the office of the foundry speak with the Board or Wardhouse & to the Central office? what is the proper connection does it require 2 bells in foundry office a 2 point switch & call up the central office every time it is used to either place the city full of such business and exchange will take a Philadelphia lawyer to do the business Yours Husbanda

LA COMPAÑIA CHILENA
TELÉFONO DE EDISON
DE VALPARAISO.

José D. Husbands, Director Gerente.

Valparaiso, Feb. 28th 1880.

Thomas A Edison Esq
Menlo Park N.J.

Dear Sir,

Please find

Enclosed Draft \$2000.00 Edwards & Co
on ~~Wilmington & Thomas Boston~~ \$1000.00

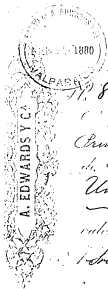
J. D. Husbands on
Brown & Brothers N.Y.

500.00
\$1500.00

Fifteen Thousand dollars Gold which
you will please place to our credit
& much obliged.

Yours truly
La Cia Chilena Teléfono de Edison
José D. Husbands
Director Gerente

5000 paid to Edison
closed 28 Feb



BANCO DE A. EDWARDS Y CIA.

Nº 800 Valparaiso Feb. 27 de 1880. Por \$ 1000.—

Un mil pesas de oro americano
 (I diez dias vista en su favor. El monto pagado por esta
 Cédula de cambio en el monto de la 2ª y 3ª en la orden
 de D. Joseph Bustardo la suma de

Un mil pesas de oro americano
 (valor incluido que cargará en cuenta según aviso de A. E. E.)

Wm. Hemenway & Browne
 Boston

A. Edwards y Cia.



Ex.º for \$500.00 Valparaiso February 28 1880.

Three days after sight of this FIRST of Exchange
 (second and third of the same tenor and date unpaid) Pay to
 the order of Thomas A. Edison
 the sum of ~~Five Hundred Dollars~~

Value received
 which charge with or without further advice to account of

To Messrs
 Brown and Brothers J. D. Hubbard
 81 Chambers St.
 New York, U.S.A.

João D. Husbands, Director Jerente

Valparaiso, March 6th 1880

Thomas. A. Edison
Menlo Park N.J. U.S.A.

Dear Sir,

Enclaved

Please find second draft # 800

Edward to _____ \$1000.00
 Second J. A. Fairbanks on Bond for _____ 500.00

Rich Thomas A. Osborn 500-
The latter draft has please place
additionally to our credit rollings

James Bailey

J. D. Harbandy
Manager

Things all ok - Charles is sitting
about six additions have they got
very low - you can only hear them
after you hear them a while by
a very loud voice. H

[Signature]

LA COMPANIA CHILENA
TELÉFONO DE EDISON
DE VALPARAISO.

José D. Husbands, Director Jereñta.

Valparaiso,

March 12th 1880.

Prof. Thomas A. Edison

Dear Sir,

We are having a large call for telephones & lines from the mining district North Iquique &c &c. They never have rain in that locality & there is no vegetation whatever. The transportation of poles is so very expensive that it is hardly worth trying to run lines - some of which are ^{nearly} 40 miles from the coast. There is a large industry if we can find some way to run wires cheaply. Especially without poles, as it will cost more than it is worth to carry poles on poor little mules the only means available over the mountains, can you help us out with a suggestion? is there not some cheap wire insulated, which can be run in the ground. They have heavy dews and there is plenty of salt pits in the earth. We are working along with a fine prospect - will be in our newly fitted exchange (second to none) within a week - ready for the instruments when they shall have arrived. I cannot devote much time to you

LA COMPAÑIA CHILENA
TELÉFONO DE EDISON
DE VALPARAISO.

José D. Husbands, Director Joranta.

2

Valparaíso,

1890.

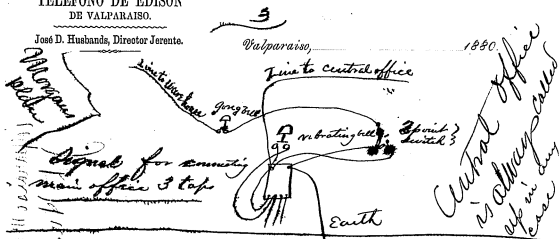
Carpenter, painter &c claim my full attention.
Another matter in which we want
advise is, about the connections or wires
about ^{the} ~~store~~ ^{warehouse} ~~central office~~ ^{central office} having one telephone in the
store & one in the warehouse.
what is needed is a
connection in the store
so that either the ^{warehouse or} central office can call up
the store, also the store call up either place,
& connecting the two, connect the warehouse
with the central, which should only be done
within the store, Mr. Morgan after several ways
which will not work at all, has perfected
a wonderful plan, by which a switch man
must stand by ~~one~~ number. (as it is dropped
always) & if it ticks 3 times connect it with
the central office instrument, if not 3 times
stand & watch it until it does. monopolizing
the instrument with the business of one
No. It is never in order and quite impossible to
do anything on his plan except ^{with} one customer. I
enclose a plan of his ideas after mature thought
& 30 days experiment. And to cover up his
ignorance says, he has accomplished "more
than Edison himself" placing the telephone

LA COMPAÑIA CHILENA
TELÉFONO DE EDISON
DE VALPARAISO.

José D. Huabanda, Director Jereente.

Valparaíso,

1880.



in the light of a complicated arrangement
which was unperfected to such an extent
that I was obliged to disconnect the party
and I figured out little mistakes. So as like the
one in the office with 4 holes in allowing
the central office & was hence to ring the
bell in the ground wire. This is the
which works better than his. I state, this is the
so please help us out we can wait. there is nothing
this business it must be arranged
some way.

With regards to all I am
Yours faithfully
José D. Huabanda
Manager

LA COMPANIA CHILENA
TELÉFONO DE EDISON
DE VALPARAISO.

José D. Huabande, Director Jorante.

Valparaiso, *March 13th 1880.*

Thomas A Edison
Menlo Park, N.J.

Dear Sir,

Please find
Enclosed herewith second draft
Thomas A. Edison *March 6, 1880* *for*
Five Hundred dollars. *It is hard to*
get American exchange - but we get
the best we can.

Very truly Yours

José D. Huabande
Director Jorante

Legation United States of America

SANTIAGO DE CHILE *March 6th 1880*

Fifteen days after sight of this my Second of Exchange (First and Third of same tenor and date unpaid) acceptance waived and endorsements by procuration accepted pay to the Order of *Thomas A. Edison, Jr.* *the sum of* *Five Hundred Dollars*

For Gold Value received, and charge the same to account for *Salary*

To the Secretary of State *Washington D.C.* *Thomas A. Odona*
E. & A. M. P. de N. S.

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

The Company TRANSMITS and RECEIVES messages only on condition, having no liability, which has been assumed only for the period of the following terms.
Messages, by electric system, may be repeated or transmitted back to the sending station for correction, and the Company will not be held liable for errors or omissions in transmission or delivery.
The message is an UNREPEATED MESSAGE and is delivered by message of the moment, and the Company cannot be held liable for errors or omissions in transmission or delivery.

A. H. DREWEN, Secy.

2 May MORVIN GREEN, President

Dated May 16 1890

Received at _____

To Manager Minutest.

READ THE NOTICE AT THE TOP.

Cable July 12th
Husband's. Valparaiso
short 62 cents please
remit to the Treasurer

J. B. Van Stry
auditor

Ref

WESTERN UNION TELEGRAPH CO.,

TELEPHONE DEPARTMENT.

H. H. ELDRED,
General Manager.

P. O. Box 4061.

New York, March 18 89

Prof T. A. Edison

Mt. Park

Dear Sir,

I have just returned, & will
take an early opportunity of calling
upon you in reference to our South
American business & also in regard to
some matters in Europe.

Yours Very Respectfully
H. H. Eldred
Paul Meyer

LA COMPAÑIA CHILENA
TELÉFONO DE EDISON
DE VALPARAISO.

José D. Husbando, Director Jefe.

Valparaiso, March 26th 1880.

Prof. T. A. Edison
Dear Sir,

Mr Clark and the goods arrived
Mch 20. & were dispatched on the 24th inst, we
regret to say that the shipment is needed
on account of no Bills or Mouth pieces
having been sent. The expense and
damage to the business is something
awful more than any legitimate
business will stand. We are all ready
waiting for instruments, our beautifully
fitted exchange has had the last
stroke of the hammer & paint brush!
ready for Mr Clark and what we supposed
to be one hundred new telephones complete
with all parts, extra pieces needed and additional
chairs, sufficient batteries &c These things
are really too bad and while we fully
appreciate your labors, we feel that
some one for you, should attend to
matters properly. Even if the telephones
were all right, there are batteries only
for 10-100 stations more sent, 40
glasses only arriving. Then bring

José D. Husbands, Director Jerente.

Valparaiso, in this country. 1880

47 telephones were named as having
been sent. 45 came. 9 cases containing
each 5. They came in good order, the little
cases not having been disturbed. 4 telephones
were broken to pieces, one each, one of the receivers
being fastened in the box out of true, so when
the cover was forced in place it broke the
receiver being loose & smashed things generally.
Waggon was transferred a passage home
on sailing ship Matteo, on which he refused
to be allowed to beet see in every way
business in any way. also saw

[illegible]

Care Martin McNeal =
as per W. D. Morgan
= Valparaiso
apl 3rd

Prof J. A. Edison
Dr Sir

I don't think
you can be aware of my
situation here at the present
time. At a moment's
notice I am introduced
to a Mr. Clark & then told
I am not wanted any longer
as he has come from
the states to take my
place. I am perfectly
willing he should do so.
but after making the
great sacrifice I have to
leaving down here & after
getting here, working very
like as never then anything
else fall to start this thing
which has been done in a
satisfactory manner

Then told I am not wanted
any longer. as for keeping
to a contract & paying my
passage home like a man
would, its out of the question.
This ~~John~~ husband has
refused all this. I am
cheated out of my salary
& expenses. My passage
is refused home. So here
I am over two weeks out
of biz. I have tried every
channel to get Louis Vail
to no purpose. Simply because
my contract was not signed
by the Chilli Consul in
N.Y. But I am certain
you are not aware of all this.
It cannot be, because I think
you would not consider
such treatment especially
when your name is attached
to the contract.

Mr E you will pls excuse
my hasty talk, but really
I am most broken hearted
when I have done my very
best for the biz, & have started
it in every way thoroughly
notwithstanding my medical
reports from a man who
has a very bad Character
here, having no principals
about him. I was proud
when I thought ^{that} who I was
working for. I ^{thought} worked many
times harder than I ever
did in my life & I think
it very cruel ^{to} be indeed
to be left in this destitute
condition. I have tried all
round to get money enough
to get home with, but have failed
to get it. & God only knows
what will become of me if
I don't get out of this room
inside

If I am not in N.Y. by the next
steamer after this, you may judge
I am still in the hole & respectfully waiting
your assistance. But please God I shall
be out of this before then.

Please give this your kind notice
so that I can have justice done me

I am

Yours Respy
W. W. Morgan

LA COMPAÑIA CHILENA
TELÉFONO DE EDISON
DE VALPARAISO.

José D. Husbands, Director Jeneral.

Valparaiso, April 3rd 1880

Prof. T. A. Edison

Dear Sir

I have nothing to
say especially, everything is working
more than well, with an automatic
writing chalk the 'Beltcher' is a success.
We are making the works first class
in all details and business has
assumed a proper form, We are
having a lively fight regarding the
patent not from good men nor the
Government, simply the mud slingers
who cause delays & expense. We are
all right & in time will have the claim
broadly allowed. Permit me to acknowledge
your Power of Attorney to prosecute matters
which has arrived in proper form, I have
applied to the Judge for an order to translate it
as a legal document according to law, I would
give me pleasure if you would write me
a word or two. I would prefer you would
condemn me than say nothing. You are of
course occupied but some way it seems as
though I must hear from you some way or
other. With respects José D. Husbands

Would you kindly mail your answer from the
M. D. B. Co. your factory, he is manager of the
largest telephone Co. in the world.

Blank No. 3.

No. *434**280*
CABLE MESSAGE.*2*

THE WESTERN UNION TELEGRAPH COMPANY.

All CABLE MESSAGES received for transmission must be written on the Message Blanks provided by this Company for that purpose, under and subject to the conditions printed thereon, and on the back hereof, which conditions have been agreed to by the sender of the following message.

A. R. BEWSTER, Secretary.

NORVIN GREEN, President.

Addres *NY*Received at WESTERN UNION BUILDING,
BROADWAY and DEY STREET,

New York,

3771 April 1880.*What woman wench clerk**Valparaiso*
a

TELEPHONE DEPARTMENT.

WESTERN UNION BUILDING,

BROADWAY AND DEY STREET.

From

H. H. ELDRED,

Gen'l Manager.

New York, *4/6/80* 187To *A. Eldred Esq**Maria Park* *ex.*

Dear Sir
The Pacific mail steamer sails on
Saturday 10th Can you get the month
pieces ready - will attend to the
Declanche and office wire - Please
send our love to the husband &
children will be with you from
Virginia
26 H. Eldred
et al

Consulate of the United States

at Valparaiso, Chile, April 9th, 1880

Thomas A. Edison, Esq.,

Manhasset Neck,

New Jersey.

Dear Sir:

It is but proper perhaps that we should write you concerning Morgan, the man who came out from the United States with Mr. Huskings. He goes home on the next steamed sailing vessel, &c. -

From first to last since his arrival at this place he has caused trouble; presumptuous, impudent and incapable, he has succeeded to imagine that he was here for ornamental purposes and not for work.

Since his discharge he has been frequently desisted, I am told, with the man who is opposing your application for a patent and has gone about among his acquaintances trying to manufacture sympathy, &c. - He is certainly unworthy of the least consideration, and it is unfortunate that he should have found here. Thus much is justice to Mr. Huskings and that you may know how much credence to give to Morgan's statements. As to the

Husbands and Clark and both were
out with overwork, as they had scarcely
given themselves time to eat or sleep, but
the principal difficulties are now overcome,
and it will perhaps go easier after this.

Very truly yours,
Lucius H. Fols
P. Am. Miller.

LA COMPAÑIA CHILENA
TELÉFONO DE EDISON
DE VALPARAISO.

Jose D. Husanda, Director Jercnte.

Valparaiso, April 10th, 1880.

Thomas A. Edison Esq.

Dear Sir,

I am informed that Mr Morgan leaves by this steamer for the U.S. having been aided by an English acquaintance made here upon information made as to what you will do when you meet him (Morgan) and also on info of his personal relations with you, also one Julius Dittborn, the man who is opposing your patent, has advanced him money on info of Morgan's turning traitor to you & aiding the opposition, to serve his own purposes. I have no more ^{to say} regarding Morgan, having truthfully stated briefly what he has done & not done, I leave him to you trusting you can well appreciate the difference between an honest endeavor to serve you and one who has no purposes but his own to over. His claim to considerations at your hands is pretended, nothing having been demanded of him but his duty. which included work. but he preferred to play the swell and fool.

Yours truly Jose D. Husanda

A Mr. Sumner just called & says you gave him one of your electric lamps - I shall hope to be the first to own it in Chile. Many thanks for the gift. Truly yours, J. D. Husanda. I shall be sure to keep it as a reminder of the gift.

T. A. EDISON,

Menlo Park, N. J.,

Oct 10th 1880.

Husbands Valparaiso.

Evaporates through ~~shaft~~
~~close~~ hole ~~in~~ wet sponge, ~~in case~~
Keep
filled,

Evaporates through
~~shaft~~ hole, in

LA COMPAÑIA CHILENA
TELÉFONO DE EDISON
DE VALPARAISO.

José D. Husbands, Director Jerente.

Valparaiso, April, 4th 1889

Prof Thomas A Edison

Dear Sir

I cannot write you

This mail from actual forces of business
we have things hot & still a heating.

Enclosed please find our first list
+ a clipping from today's paper.

Accept my compliments

Very truly Yours

Jose O. Hubbard

Every thing is looking more than well at this end - all we need is paper supplies Patent papers are ok & the commission is at work

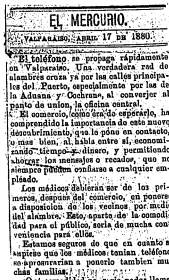
Compañía Chilena de Telefonos de Edison de Valparaíso

Oficina central: Calle de la Aduana, N.º 73.

Valparaíso, Abril 16 de 1880.

LISTA DE LOS SUSCRITORES

cuya comunicacion por la línea telefónica está concluida:



- | | |
|----|--|
| 96 | Oficina Central, Oficina del Joronto |
| 93 | Wing W. D. |
| 91 | Gowdie R. S., Oficina |
| 92 | Id. Bodega |
| 91 | Thomas W. Mc. Laughlin |
| 91 | Swinglehurst y Ca. |
| 90 | A. Schroeder y Ca. |
| 73 | Williamson Balfour y Ca. |
| 96 | Duncan Fox y Ca. |
| 94 | Graham Howe y Ca. |
| 39 | Balfour Lyon y Ca., Fundición |
| | Id. Bodega |
| 86 | Martin y Mc. Neil |
| 67 | Brown y Gopp |
| 68 | Compañía de Remolcadores |
| 73 | Cookhain Roxburgh y Ca. |
| 87 | V. Santa Cruz |
| 94 | Kendall y Ca. |
| 66 | Consulado Americano |
| 38 | Guillermo Jenkins y Ca., Oficina |
| | Id. Bodega |
| | Compañía de Consumidores de Gas, Oficina |
| | Id. Fábrica |
| 75 | John W. Bates |
| 76 | Pacifico Alvarez, Oficina |
| | Id. Bodega |
| 74 | M. S. Pasmore |
| 63 | E. F. Beuchler |
| 95 | Urmeneta y Erasuris |
| 95 | Wm. Lyon |
| 26 | Guillermo Adoladorffer y Ca. |
| 43 | Lyon Brothers |

Las líneas marcadas así * son particular y no tienen comunicación con la oficina central.

Las siguientes líneas están en vía de concluirse y aparecerán en la próxima lista.

- | |
|--|
| A. Bushell y Ca. |
| Squire y Berry |
| Jones y Roberts |
| José A. R. Verdugo |
| Compañía Esplotadora de Lota y Coronel |
| Compañía de Gas, Sr. Sanchez, Oficina |
| Id. Fábrica |
| Dickson Bennett y Ca. |
| Club de la Union |
| Compañía del Telégrafo Trasandino |
| Café del Pacifico |
| Id. de la Bolsa |
| Banco de Valparaíso |
| Banco de A. Edwards y Ca. |
| Arturo E. Price |
| Dr. Olof Page, Sala de Consulta en el Edificio de la |
| Compañía de Teléfonos y puede ser llamado por |
| Teléfono de la Oficina Central. |

José D. Husbands,
Director Joronto.

Valparaiso via New York April 19, 80

Edison Meno-Banking

Wharf No. 10000 Cubes, Cubes Winch

Transaction =

Ship 100 Edison Telephones & switch boxes
(24 or 25-wire each) 200 kello suitable bases for same
1500 Wood brackets, 100 pins, 1500, pony glass insulators, 500
porcelain insulators with screws 300 porcelain office
knobs with screws 100 lbs. office wire each #16 & #18 half
red white & blue 50 Carbon buttons 100 extra chairs
3 Vices & straps 3 pair clippers 6 pairs studio players
each 5 & 8 inch 2 coils binding wire galv iron etc 500
binding posts. Ship 500 all Leclanche batteries with
other goods immediately

Husband

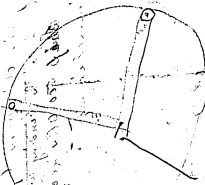
Eliminate
clippers
Vices & straps

Edison chairs telephones S. B.
Edward the 2nd

OK

J. A. D. W. H. A. D.
Port

Isaurtalam
Apr 19 1880



²
Valparaiso Via N.Y. Apr 19⁸⁰ 6¹⁰
Edison Menlo Park
N.J.

Manf No posts Cuba
Cuba Wench

9 collect

WESTERN UNION TELEGRAPH CO.,

TELEPHONE DEPARTMENT.

H. H. ELDRED,
General Manager.

P. O. Box 4061.

New York, 4/20/1880

T. A. Edison Esq.
Menlo Park N. J.

Dear Sir;

I have ordered the following
articles shipped to J. D. Huchonds, Valparaiso Chili:

250	Bells Bellauke Battery,	
100	Nations Battery complete,	
1500	Wood Brackets,	
800	Pins,	
1500	Pony Glasses,	
500	Porcelain Insulators, 4 fers,	
300	Porcelain Knobs, 4 fers,	
75	Sh. #18 Office Wire, Red, white, Blue,	25 each.
75	" #16 " " " " "	25 each.
100	Carbon Buttons,	
3	Wires and Straps,	

2
Jan 8

2 pr. Climbers

3 stks Pliers, each 5 & 8 inches

1 mile Galvanized Wire #12.

Mr Husband orders in addition,

100 Edison Telephones,

4 Sections Switch Board 25 Mins each,

100 Extra Chalks.

Please arrange to have these delivered
at the Wharf of the Pacific Mail S. S. Co.
by noon, Saturday, March 1, J. D. Husband
Valparaiso Chile. Number the cases, and
forward receipt of the Pennsylvania Road to
us so that we may procure Bill of Lading
and prepay the freight as if this was not
done the goods will be delayed one steamer

Yours Very Truly
H. H. Eldred
for Mr.

T. A. EDISON,

Menlo Park, N. J., *Apr 22* 1880.

Received from T. A. Edison
fourteen hundred and eighty
one dollars on account
of telephone matters in
Valparaiso
B. D. Eldred

WESTERN UNION TELEGRAPH CO.,

TELEPHONE DEPARTMENT.

H. H. ELDRED,
General Manager.

P. O. Box 4061,

New York, 4/20/ 1880

J. A. Edison Esq,
Muelo Park N.J.

Dear Sir:

Yours of the 21st in reference
to the double switch for Mr. Kusbands, duly
received.

I am informed by Mr. Bergmann that these
will cost about \$9 each, and that it will be
impossible to furnish any in time for the
next steamer.

In view of the delay and cost, I think
it will be well to let this matter rest
for the present.

Yours truly,

H. H. Eldred
Genl Mgr

LA COMPAÑIA CHILENA
TELÉFONO DE EDISON
DE VALPARAISO.

José D. Husbanda, Director Jefe.

Valparaiso, *May 1st*, 1880.

Thomas A Edison Esq.

My dear Sir,

I have the honor to forward
to you in this mail, an exclusive
privilege for the use of telephones for
8 years commencing April 26th 1881.

Permit me to congratulate you on
your success in obtaining the same,
as it was granted after a hard fight.
The patent is a good one, the drawings
& specifications were full & to the
point. Should you send me the letters
light to push through please send
drawings full, showing the whole system
as we can obtain all we chose. Have
one numbered & lettered & the other with nothing
but the drawings, as the figures & description must
be according to law & in Spanish. I feel
almost ashamed to say, when asked
when I have last heard from Mr Edison
to answer. that he has not written me
since I left Nov. 18. 1879.

We are suffering for want of
stock. Success only awaits perseverance.

Yours

Yours faithfully,

José D. Husbanda

P.S. for satisfaction by connecting the office in
Santiago & Valparaiso & that has successfully over
a line of 180 miles long - No office to say by your means
the office to say by your means



El Presidente de la República de Chile.

Por cuanto se ha presentado don James Men Edison, solicitando privilejio esclusivo para construir i usar en el pais unos aparatos telefonicos de su invencion; visto el informe de los peritos don J. H. Gepp i don C. L. Brunsell i hallandose cumplido en todos los requisitos que prescriben las leyes de 9 de setiembre de 1845 i de 1.º de setiembre de 1874;

Por tanto, se resuelve en expedir a favor de don James Men Edison patente de privilejio esclusivo por el termino de ocho años para construir i usar en el pais dicho aparato, tal como se manifiesta de veritas en el dibujo i pliego de explicaciones, delgado en el Museo Nacional.

Los ocho años comenzarán a contarse despues de trascunida una, que se asigne al interesado para que ponga en ejercicio su industria.

Dicho privilejio no comprende el uso del aparato destinado a hacer sonas campaneas, descubre su invencion i tabla cambiante, por ser ya conocido en Chile.

Dada en Santiago, a veinte i seis dias del mes de abril, de mil ochocientos ochenta.

A. Pinto

Domingo Santa María

New York May 5/88
941 AM

J. A. Edison

Steamer for Valparaiso sails
on tenth, send all
the instruments you can
up to eight, mark
your packages from number
one up ship by
freight to me as
per previous request

H. H. Eldred

H. H. cannot have them
ready by that time but will have
them all to sail by next steamer

H. H. Eldred

T. A. EDISON,

Menlo Park, N. J., May 6 1880.

My dear Husband

Have contracted to connect
Santiago and Valparaiso
90 miles with a Government
guaranty of success we have
secured the concession from
the government of Chile for
the exclusive ~~right~~ monopoly
of the telephone business in
that country for ten years
and the papers have been
signed to that effect —
Ship goods ordered imme-
diately we are all out

4 Words

Copy sent to
H. A. C. C. C.
May 10 1880

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on condition, failing its liability, which here-
tofore assumed it is the owner of the following message.
The Company will accept no responsibility for messages back to the sender or for messages, and the Com-
pany will not be liable for any loss or damage to messages or delivery of telegraphed messages.
The message is an UNREPEATED MESSAGE and is delivered by repeated messages, subject to the same
conditions as above.

A. H. HILPHER, Sec'y.

NORVIN GREEN, P. M.

Date *Calparaiso Via N York 7/7* 1880

Received at *Edison* *munto cash 7/7*

Edison to Y Lorengia
golf. felicitas weloh

Collected
ccp.

READ THE NOTICE AT THE TOP

10 years

Compañía Chilena de Teléfonos de Edison

VALPARAISO.

Oficina Central: Calle de la Aduana N.º 73.

Valparaíso, Mayo 7 de 1880.

Lista de los suscritores cuya comunicación por la línea telefónica está concluida:

- A**
- 75 Alvarez, Pacifico, Oficina
 * Alvarez, Pacifico, Bodega
 26 Adelsdorfer Gmo. y Ca.
 80 Anwandter Hnos.

- B**
- 39 Balfour Lyon y Ca., Fundicion
 * Balfour Lyon y Ca., Bodega
 67 Brown y Gepp.
 116 Bushell A. y Ca.
 75 Bates, Juan W.
 53 Bouchier, H. P.
 115 Banco de A. Edwards y Ca.
 * Banco de Valparaíso, Puerto
 * Banco de Valparaíso, Almendral
 48 Bianchi Carlos y Ca., Bodegas
 † Bomberos cuartel Jeneral N.º 1
 † Bomberos cuartel N.º 3

- C**
- 65 Consulado Americano
 72 Cockbain Roxburgh y Ca.
 * Compañía Consumidores de Gas Oficina
 * Compañía Consumidores de Gas, Fábrica
 68 Compañía de Remolcadores
 76 Compañía Esplotadora de Lota y Coronel
 55 Compañía de Gas de Valparaíso, Oficina
 50 Compañía de Gas de Valparaíso, Fábrica
 44 Compañía del Telégrafo Transandino
 * Compañía de Maderas y Buques, Oficina
 * Compañía de Maderas y Buques, Barraca
 * Compañía de Diques Flotantes
 * Compañía de Diques Flotantes, Oficina
 * Compañía Chilena de Balleneros
 * Compañía Chilena de Balleneros, Fábrica
 37 Club de la Union
 † Café de la Bolsa
 † Café del Pacifico

- D**
- 65 Duncan, Fox y Ca.
 36 Dickson, Bennett y Ca.

- E**
- F**
- Ferrocarril, Estacion del Barón

- G**
- 91 Gowdie, R. S. Oficina
 62 Gowdie, R. S. Bodega
 64 Graham, Rowe y Ca.

- H**
- 96 Husbands, José D., Jefe

- I**
- J**
- 38 Jenkins Gmo. y Ca., Almacén
 * Jenkins Gmo. y Ca., Bodega
 † Jones y Roberts

- K**
- 54 Kendall y Ca.

- L**
- 105 Lyon, Gmo.
 43 Lyon Hnos.
 Lyon, Alfredo

- M**
- 68 Mac Kellar P. A.
 91 Mc Laughlin, Tomas W.
 86 Martin y Mc Neil

- N**
- O**
- 96 Oficina Central, Oficina del Jefe

- P**
- 74 Pasmore, M. S.
 57 Price, Arturo E.

- Q**
- R**
- 8 Rosenberg y Ca. G.
 † Rogers Symington y Ca.

- S**
- 87 Santa Cruz, Vicente
 69 Schröder, Alb. y Ca.
 61 Swinglehurst y Ca.
 19 Squire y Berry
 56 Shanklin, F. B.
 90 Sobuto, Heinkeon y Ca.
 7 Schwartz, A., Casa particular
 82 Shrigley, W. S. Dentista
 94 Sothers y Ca.

- T**
- U**
- 105 Urmeneta y Errázuriz

- V**
- * Verdugo José A. 2.º, Oficina
 * Verdugo José A. 2.º, Bodega

- W**
- 63 Wing, Wilson D.
 73 Williamson, Balfour y Ca.
 114 Weir, Scott y Ca.
 40 Weir, y Ca.

- X**
- Y**
- Z**

Dr. Olof Page, Sala de Consulta en el Edificio de la
 Compañía de Teléfonos y puede ser llamado por
 Teléfono de la Oficina Central.
 W. S. Shrigley, Dentista, Plaza del Orden N.º 53. Se
 puede llamar por el Teléfono de la Oficina Central.

Se recibe órdenes de suscritores para remitirlas a no
 suscritores, por la oficina central.
 El público puede comunicarse con los suscritores por
 medio de la oficina central.

Las líneas marcadas así * son particular y no tienen comunicación con la oficina central.
 Las líneas marcadas así † no están concluidas todavía, pero serán antes que salga otra lista.
 Para ahorrar tiempo, dé claramente el nombre y el número del Teléfono.

José D. Husbands,
 Director Jefe.

LA COMPANIA CHILENA
TELÉFONO DE EDISON
DE VALPARAISO.

José D. Huabanda, Director Jefe.

Valparaíso,

Mayo 28th 1880.

Thomas A Edison Esq

My dear Sir,

Will you kindly
let us hear from you. I am
absolutely hungry for more from
you. Would remit you more
money but for not having any
acknowledgement for funds previously
remitted. Think we had better wait
a mail or two. Please take time
to attend to our wants, as they are
just as important to us, as greater
ones are to you. Allow me to congratulate
late you on your Gold tailings success
& telephone sale. I fully trust we
may hear from you before you make
another great invention. I am

Yours to command

José D. Huabanda

LA COMPANIA CHILENA
TELÉFONO DE EDISON
DE VALPARAISO.

Jose D. Huenda, Director General

Trif when you read
this day, I want to talk
Valparaiso, May 15th 1880.

to him about this
Thomas, A. Edison, Esq.,
Windsor Park, Ill.,
Dear Sir,

I hereby make application
to you, to have the telephone for the Argentine
Republic especially Buenos Ayres and
Montevideo. I learn from residents that there
is a grand opening there and if you have
not disposed of that country I would
like it, as I can handle it through other
parties. If you leave the terms to me I will
divide the profits or will endeavor to carry out
any plan you desire. An old gentleman named
Bond, a traveler for some paper houses in the U.S.,
having seen my success here will apply to
you for the same thing. Therefore allow me
to enter the list as against Mr Bond
as a candidate for favors at your hands.
We are anxiously awaiting orders as
regards the missing matters we can
handle that will when you are ready
but of course I must be in shape to show
all I claim. Why I do not hear from
you is more than I know. We are all

LA COMPAÑIA CHILENA
TELÉFONO DE EDISON
DE VALPARAISO.

José D. Huabanda, Director Jefe.

Edison

2

Valparaiso,

1880.

in good working shape and could have
had 150 subscribers had the supplies
been properly furnished us. The government
gave an order to connect the forts and depots.
= made together here requiring 22 telephones
and in Santiago. " 30 "

The governor has adapted it for signal pur-
= poses. The railroad ditto in the place
of a telegraph. We do not lack anything
only supplies. will you please attend to
it. I do not give up the chalks at all.
I believe them to be a grand success and
only need an automatic water feed to be
OK. In the place of the sponge could you
not have a piece of felt fed by a water
cup, instead of the chalk giving dampness
for at least a month, the sponge lasts
from 6 to 7 days, now in the winter, in summer
will last about 2 days. we now use a brush
or touch the surface - but first wet the chalk
with a small rubber bulb syringe & then
dampen the sponge to keep it so. In
fact since we stopped the brush, we
have not lost a chalk & see no
reason why one chalk will not

LA COMPAÑIA CHILENA
TELÉFONO DE EDISON
DE VALPARAISO.

José D. Husbands, Director Jefe.

Edison

3

Valparaiso,

1880.

was as long as other parts of the in-
strument. The crank movement is
an unimpaired one can not read off
or receive write at the same time. ~~It must~~
be done away with. I arranged a crank
with a ratchet, dog & gear to regulate the speed
which will not cost much. is just like a
music box, using the ~~crank~~ ^{pinion}, working it up
and down to wind it up & allow it to run only ^{when}
down and the gear released. Please put a
man on this & make the thing complete. The
last lot of telephones to turn out very well
but the first lot are awful trash. We are
all ready now to fully organize our Company
reissue your other stock but you never
say anything to me & therefore I cannot
act. The Patent I took out in your name
instead of my own having no authority to
assign it over to the company which the
Court would allow we are at a stand
still in that line. I have agreed to do so
but expected to hear from you what share
of stock share go to me and power to legally
transfer the patent to the Company as I have
done as your agent. ~~Yours truly~~
I am very Respectfully

LA COMPAÑIA CHILENA
TELÉFONO DE EDISON
José D. Husbands
Director Jefe

Having signed the same the day of Feb 11th
1880 I am unable to do so. Please take
care to do no further work on this.

NY 17 I. A. Edison

May 17, 80
9:00 PM

Morgan has arrived also
long letter from Husband
Can I see you at Menlo
tonight important answer
H. H. Edred

1/54

3 NY 18 May 18, 80
I. A. Edison

Bergman says cannot get
bells ready until next steamer
thirtieth. Have you any you can
ship with the instruments today
or tomorrow answer
H. H. Edred

20.04.
~~Have no bells - Husband can
use sound of railway until bells
come, write him that effect~~

NY 18
T Alderson

May 20
9¹⁵ am

Instruments should be shipped today
if possible tomorrow at latest advise
when shipped

H. H. Alderson

1387
H. 9

LA COMPANIA CHILENA
TELÉFONO DE EDISON
DE VALPARAISO

José D. Husbands, Director Jereñte

Valparaiso

May 21st 1880

Thomas A. Edison Esq.
My dear Sir.

Enclose herewith, the Application for "Electric Light" made by Mr E. Howard for you, While I do not for a moment question your action, permit me to say that at leaving you promised me the handing of it, provided I was successful with the telegram as well as subsequent letters, all of which state that the "Light" was at my disposal, this is all right, but for the fact, that I might have been spared annoyance and mortification from friends by your simply writing me that I could not have it, then I would have known where I stood, Had you answered my letter & especially the one of Jan'y 7th 84 in which I ask about "light" and my proposition of interest here, I should have felt that no more justice had been done me, Business is good & only looks supposed to be successful, The complete organization of our Company only awaits a proper assignment of the privilege to supersede the agreement given by me for the same, I have worked hard & expended money in order that your name might carry with it force enough to make of our invention valuable, and only as one can when

Compañía Chilena de Teléfonos de Edison

VALPARAISO.

Oficina Central: Calle de la Aduana N.º 73.

Valparaíso, Mayo 22 de 1880.

Lista de los suscritores cuya comunicación por la línea telefónica está concluida:

A
 75 Alvarez, Pacifico, Oficina
 • Alvarez, Pacifico, Bodega
 26 Adelsdorff Gmo. y Ca.
 69 Alexander Hnos.

B
 39 Balfour Lyon y Ca., Fundición
 • Balfour Lyon y Ca., Bodega
 67 Brown y Gepp.
 116 Bushell A. y Ca.
 73 Bates, Juan W.
 75 Bourchier, H. P.
 115 Banco de A. Edwards y Ca.
 • Banco de Valparaíso, Puerto
 • Banco de Valparaíso, Almendral
 48 Bianchi Carlos y Ca., Bodegas
 • Bomberos cuartel Jeneral N.º 1
 • Bomberos cuartel N.º 2
 • Bordali José S., Bodega
 • Bordali José S., Oficina

77 Betteley y Ca.
 103 Billo, A.

C
 65 Consulado Americano
 73 Cockbain Roxburgh y Ca.
 • Compañía Consumidores de Gas, Oficina
 • Compañía Consumidores de Gas, Fábrica
 68 Compañía de Remolcadores
 76 Compañía Explotadora de Lota y Coronel
 • Compañía de Gas de Valparaíso, Oficina
 49 Compañía de Gas de Valparaíso, Fábrica
 44 Compañía del Telégrafo Transandino
 • Compañía de Maderas y Buques, Oficina
 • Compañía de Maderas y Buques, Barraca
 • Compañía de Diques Flotantes
 • Compañía de Diques Flotantes, Oficina
 • Compañía Chilena de Balleneros
 • Compañía Chilena de Balleneros, Fábrica
 37 Club de la Unión
 Café de la Bolsa
 61 Café del Pacífico

D
 66 Duncan, Fox y Ca.
 36 Dickson, Bennett y Ca.

E
F
 81 Ferrocarril, Estación del Barón.

G
 91 Gowdie, R. S. Oficina
 63 Gowdie, R. S. Bodega
 64 Graham, Rowe y Ca.

H
 90 Husbands, José D., Jefe de
 88 Hemenway y Ca.

I
J
 35 Jenkins Gmo. y Ca., Almacén
 • Jenkins Gmo. y Ca., Bodega
 • Jones y Roberts

K
 54 Kendall y Ca.

L
 105 Lyon, Gmo.
 43 Lyon Hnos.
 95 Lyon, Alfredo
 113 Lund y Ca.

M
 68 Mac, Kellar P. A.
 91 Mc, Laughlin, Thomas W.
 86 Martin y Mc, Noll
 41 Moser, Robert

N
O
 96 Oficina Central, Oficina del Jefe de

P
 74 Pasmora, M. S.
 67 Price, Arturo H.

Q
R
 8 Rosenberg y Ca. G.
 71 Rogers Symington y Ca.

S
 87 Santa Cruz, Vicente
 69 Schröder, Alb. y Ca.
 61 Swingehurst y Ca.
 19 Squire y Berry
 56 Shantlin, F. E.
 90 Schutte, Heinkeken y Ca.
 7 Schwartz, A., Casa particular
 82 Shrigley, W. S. Dentista
 94 Sothers y Ca.

T
U
 105 Urmeneta y Errázuriz

V
 • Verdugo José A. 2.º, Oficina
 • Verdugo José A. 2.º, Bodega

W
 63 Wang, Wilson D.
 73 Williamson, Balfour y Ca.
 114 Weir, Scott y Ca.
 40 Weir, y Ca.

X
Y
Z

Santiago.—Resolución a la Sociedad Nacional de Agricultura con el objeto de la Exposición.

Dr. Olof Page, Sala de Consulta en el Edificio de la Compañía de Teléfonos y puede ser llamado por Teléfono de la Oficina Central.

W. S. Shrigley, Dentista, Plaza del Orden N.º 53. Se puede llamar por el Teléfono de la Oficina Central.

Se recibe órdenes de suscritores para remitirlos a no suscritores, por la oficina central.
 El público puede comunicarse con los suscritores por medio de la oficina central.

Las líneas marcadas así * son particular y no tienen comunicación con la oficina central.
 Las líneas marcadas así † no están concluidas todavía, pero serán antes que salga otra lista.
 Para ahorrar tiempo dé claramente el nombre y el número del Teléfono.

Nota para los suscritores: Considerando que nuestras líneas son tendidas solamente para el uso de nuestros suscritores, solicitamos su cooperación para evitar el abuso de aquellas facilidades por los cuales Ud. paga, y ha que se le quitan por los no-suscritores cada vez que hacen uso del Teléfono indistintamente. El valor del Teléfono consiste principalmente en, el uso inmediato que se puede hacer de él, lo que no sucede cuando la línea está ocupada por no-suscritores con mensajes triviales. Por esto está en el interés de todo suscriptor, observar estrictamente el reglamento de la compañía y avisar inmediatamente, cualquier interrupción de la línea o desconexión del aparato.

José D. Husbands,
 Director Jefe.

Myrt
June 14, 80
T. A. Edison

Can I see you Wednesday
at Mexes regarding South
America also wish to bring
down two friends answer

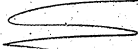
H. H. Edison

LN
O/c

108

My. 6/1/80
Edison

We'll be unable
to come out today
will try and come
Friday ~~XXXX~~ Cloud


Baraf
10/24.

Blank No. 1.

Blank No. 1.
THE WESTERN UNION TELEGRAPH COMPANY

This Company TRANSMITS and DELIVERS messages only on conditions, limiting its liability which have been assumed to by the sender of the following message:

Errors can be guarded against by repeating a message back to the sending station for comparison and the Company will not hold itself liable for errors or delays in transmission or delivery of Unrepeated Messages.

This message is an UNREPEATED MESSAGE and is delivered by request of the sender, under the conditions named above.

A. R. BREWER, Sec'y.

NORVIN GREEN, President

Dated:

Received:

READ THE NOTICE AT THE TOP.

menlo Park
N.J.
Husbands father, Howard
pond important papers
remittance good. Can you
make it out

Elided

1304 $\frac{46}{48}$ 314 pm

Compañía Chilena de Teléfonos de Edison

VALPARAISO.

Oficina Central: Calle de Prat (Aduana) N.º 73.

Premiado en Santiago 1880 con el primer premio especial: Medalla de Oro.

Valparaíso, Julio 8 de 1880.

Lista de los suscritores cuya comunicacion por la linea telefónica está concluida:

A

- 75 Alvarez, Pacifico, Oficina
 * Alvarez, Pacifico, Muelle de la 6.ª Seccion
 26 Adelsdorfer Gmo. y Ca.
 81 Anwandter Hnos.

B

- 39 Balfour Lyon y Ca., Fundicion } 3 Teléfonos
 * Balfour Lyon y Ca., Bodega }
 67 Brown & Gopp
 116 Bushell A. y Ca.
 76 Batés, Juan W.
 63 Bourchier, H. P.
 115 Banco de A. Edwards y Ca.
 * Banco de Valparaíso, Puerto
 * Banco de Valparaíso, Almendra
 21 Bianchi Carlos y Ca., Bodega
 * Bomberos cuartel jeneral N.º 1
 * Bomberos cuartel N.º 3
 * Bordali José S., Bodega.
 * Bordali José S., Oficina.
 77 Betteley y Ca.
 103 Bañico, A.
 22 Baird, A. y Ca.

C

- 65 Consulado Americano
 72 Cookbain Roxburgh y Ca.
 * Compañía Consumidores de Gas, Oficina
 * Compañía Consumidores de Gas, Fábrica
 68 Compañía de Remoladores
 70 Compañía Esplotadora de Lota y Coronel
 * Compañía de Gas de Valparaíso, Oficina
 * Compañía de Gas de Valparaíso, Fábrica
 * Compañía de Maderas y Buques, Oficina
 * Compañía de Maderas y Buques, Barraca
 * Compañía de Diques Flotantes, Barraca
 * Compañía de Diques Flotantes, Oficina
 * Compañía Chilena de Balleneros, Oficina
 * Compañía Chilena de Balleneros, Fábrica
 78 Compañía de Vapores, Sud-Americana
 32 Cooper Doct. Jorge F., Oficina, Hospital Ingles
 37 Cooper Doct. Jorge F., Casa particular, O. Alegre
 37 Club de la Union
 * Café de la Bolsa
 61 * Café del Pacifico (para el público)

D

- 66 Duncan, Fox y Ca.
 36 Dickson, Bennett y Ca.

E

- 114 Edwards Hnos.

L

- 166 Lyon, Gmo.
 43 Lyon Hnos.
 35 Lyon, Alfredo
 113 Lund y Ca.

M

- 68 Mac. Kellar P. A.
 94 Mc. Laughlin, Tomas W.
 86 Martin y Mc. Neil
 23 Moser, Robert
 33 Martin Santiago, Casa particular

N

- 96 Oficina Central, Oficina del Jefe

P

- 74 Pasmoro, M. S.
 57 Price, Arturo E.
 96 Page Doct. Olof, Oficina
 * Page, Doct. Olof, Casa particular

Q

R

- 8 Rosenberg G. y Ca.
 71 Rogers y Ca.

S

- 87 Santa Cruz, Vicente
 69 Solbrider, Alb. y Ca.
 61 Swinglehurst y Ca.
 10 Squire y Berry
 56 Shanklin, F. B.
 56 Schutte, Heineken y Ca.
 7 Solvarte, A., Casa particular
 80 Shrigley, W. S. Dentista
 80 Shrigley, W. S., Casa particular
 * Solari, Bartolomé D., Calle Delicias 309
 118 Sothers y Ca.

T

- 45 Telégrafo. Compañía del Transandino

51 Café del Pacifico (para el público)

D

66 Duncan, Fox y Ca.
36 Dickson, Bennett y Ca.

E

114 Edwards Hnos.,
; Edwards, Arturo, Casa particular, Plaza Victoria

F

117 Ferrocarril, Estacion del Baron

G

94 Gowdie, R. S. Oficina
62 Gowdie, R. S. Bodega
64 Graham, Rowe y Ca.
102 Guttman, A.

H

96 Husbands, José D., Jerente
88 Hemenway y Ca.
33 Hospital Ingles

I

44 Intendencia, Palacio de la
60 Imprenta del "Mercurio"
42 Imprenta de la "Patria"

J

38 Jenkins Gmo. y Ca., Almacen
* Jenkins Gmo. y Ca., Bodega
; Jones y Roberts

K

110 Kendall y Ca.

59 Shanklin, F. B.
50 Schutte, Heincken y Ca.
7 Schwartz, A., Casa particular
80 Shrigley, W. S. Dentista
80 Shrigley, W. S., Casa particular
; Solari, Bartolomé D., Calle Delicias 309
118 Sothers y Ca.

T

45 Telégrafo, Compania del Trasandino

U

105 Urmeneta y Errázuriz

V

* Verdugo José A. 2., Oficina
* Verdugo José A. 2., Bodega

W

63 Wing, Wilson D.
73 Williamson, Balfour y Ca.
54 Weir, Scott y Ca.
24 Weir, y Ca.

X

Y

Z

GUIA MEDICO:

MÉDICOS Y CIRUJANOS EN COMUNICACION CON LA OFICINA
CENTRAL DE TELÉFONOS.

Las estrellas (*) indican el lugar en que estan colocados los teléfonos (en la oficina, habilitacion o en otras partes.)

NOMBRE:	OFICINA:	HABITACION:
Dr. Jorge F. Cooper	* Hospital Ingles	* Carro Algre
	HORAS DE CONSULTAS: 9 a 1.	
Dr. Olof Fago	* Edificio d. l. Ca. de Teléfonos	* Calle O'Higgins No. 26
	HORAS DE CONSULTAS: 1 a 3.	
W.S. Shrigley, Dentista	* Plaza del Orden N.° 53	* Plaza del Orden N.° 53
	HORAS DE CONSULTAS: 8 a 6.	
	(exceptuando los domingos y dias de fiesta.)	

Se recibe órdenes de suscritores para remitirlas a no suscritores, por la oficina central.

El público puede comunicarse con los suscritores por medio de la oficina central y el Café Pacifico.

Horas de Oficina desde 7.30 A. M. a 5.30 P. M.

Las líneas marcadas así * son particular y no tienen comunicacion con la oficina central.

Las líneas marcadas así ; no están concluidas todavia, pero seran antes que salga otra lista.

Para ahorrar tiempo dé claramente el nombre y el número del Teléfono.

Nota para los suscritores: Considerando, que nuestras líneas son tendidas solamente para el uso de nuestros suscritores, solicitamos su cooperacion para cortar el abuso de aquellas facilidades por las cuales Ud. paga, y las que se le quitan por los no-suscritores cada vez que hacen uso del Teléfono inutilmente. El valor del Teléfono consiste principalmente en el uso inmediato que se puede hacer de el, lo que no sucede cuando la linea está ocupada por no-suscritores con mensajes frivolos. Por esto está en el interes de todo suscritor, observar estrictamente el reglamento de la compania y avisar inmediatamente cualquier interrupcion de la linea o descomposicion del aparato.

José D. Husbands,
Director, Jerente.

LA COMPAÑIA CHILENA
TELÉFONO DE EDISON
DE VALPARAISO.

José D. Husbands, Director Jeneral.

Valparaiso, July 10th 1880.

Thomas A. Edison Esq
Menlo Park N.J. U.S.A.
Dear Sir, Enclosed please

Drafts first of

Thomas A. Edison May 1st '80 \$500.00

José D. Husbands July 10th '80 500.00

One thousand dollars, gle cañi \$1000.00

which you will please place to our credit. We applied to the bank for the full amount of \$4. change to settle all bills. but could not obtain the same for this steamer as they had drawn all they wished to. So by next steamer you may expect the entire balance due. Our suit goes to you in this mail, our prospects good. I think you will when you say Clark is not a Box man, Mr Eldred has some papers which he can show you if you wish. It would please me to hear from you very much. The steamer "Columbia" created a sensation here, all parts working good here. In the next steamer I will ask for proposals to do the same thing in the Comp. Company here. Yours truly, José D. Husbands.

Union United States of America

SANTIAGO DE CHILE May 14th 1880

Fifteen days after sight of this my Second of Exchange First and Third of same tenor and date unpaid / acceptance waived and endorsement by procuration accepted, pay to the Order of William C. Gifford

~~Five hundred dollars~~

U. S. Gold Value received and charge the same to account for Salary

To the Secretary of State Washington D.C. Thomas A. Gifford
C. C. & A. Prof. M. U. S.

No. 100 Exchange for £ 1000 Valparaiso July 10th 1880

At Three days after sight pay this our SECOND of Exchange (First and Third of the same tenor and date unpaid) to the Order of Thomas A. Gifford Esq. the Sum of

Five hundred dollars

Value received, which place to account as advised by me

To Brown and Son

87 Chambers St.

New York

John D. Hooker



LA COMPANIA CHILENA
TELÉFONO DE EDISON

DE
VALPARAISO.

José D. Huidobro, Director Jefe.

Valparaíso, July 27th 1880.

Thomas A Edison Esq.

Menlo Park N.J.

My dear Sir,

I have
this day remitted to Mr H. H. E. and
the full amount of my indebtedness
to you, at least as far as advised.
Some things may be in transit. The
last lot of goods, have only been
in the house 3 days & some not
yet dis embarked from the steamer
so we are prompt although the time
may be ~~short~~ ^{long}. The Watson's Batteries were
not called for, Laclauche in their stead,
we would receive the same if it was
not plain that they are a total wreck,
we had one done which left a bad
taste in your mouth. By your
statements we notice you charge
every item of expense, even to 20 cents &
also for your power of attorney to obtain
a patent for you. This is her right.
We do not complain, except there
have been so many ways in which
money was paid for faults not our
own. At this writing I am without an

LA COMPAÑIA CHILENA
TELÉFONO DE EDISON
25
VALPARAISO.
José D. Huidobro, Director General.

Edison

2

Valparaiso, 188

answer to any letter written you or any word what so ever, which facts hurt me not a little, for I was & am so far of you and yours, that it grieves me to find myself in the position of a man holding his saddle looking at his horse running away. Time will tell your friends & I shall work hard and do my level best for our mutual interests here, you could not drive me away from you with a shot gun, although I cannot but feel the injustice of your not writing any thing good or bad.

I have also to report that on May 1st so I mailed you per English mail via Panama your Patent which has not been acknowledged at this writing. Please do so much oblige. Your having it is an uncertainty until it is acknowledged. I paid \$587.50 Chile money, equal to \$441.70 gold mts. for the patent, saying nothing of their thanks. You told me in your office that you furnished patents as against capital to work them, in this instance you furnish neither, all I want is to have say "Thank you" & I am fully repaid. We would have been fully organized

L.A. COMPANIA CHILENA
TELEFONO DE EDISON
DE
VALPARAISO.

José D. Huidobro, Director General.

Edison

3

Valparaíso, 1888

stock issued if you had sent the papers. These delays are very expensive & to have waited longer would be actually impossible - as the gentlemen associated with me would not stand it. My contracts were taken before the proper legal authority and decided sufficient, defining the what you as well as myself should receive and your telegram changing the consideration from a cash, or cash & stock interest, to a stock interest only. Our contract says I am entitled to \$5000. out of each \$15,000. stock or any proportionate increase. which will give me one third 1/3 of our half. Our Capital will be \$200,000.00 Chile money \$66,666.67. will be issued to you, in certificate of \$10,000.00 each, \$33,333.33. will be issued to me, which I hope will meet your approval. We could not live longer without an organization both by law & in reality. This Chile matter may only be a drop in your great electric bucket but please do not forget that one is just as tired after a days work in Chile & elsewhere

4

Valparaíso,

188

Also that the labor is not only harder but always more doubtful in the smaller Republics where their education is not quite so metropolitan as with you, while doing this I might have handled a "bigger deal", but as I came to represent you, know no such word as fail. We are giving up the Chacks because it cost so much to maintain them, this time of the year the rains are very heavy & they become much in an night. When they are "just right" the lack is wonderful but it cost too much to keep them "just right" again the repairs are something awful, the cranks, the shaft where connected, & also in the seat where the Chack sleeve rests on rests in tight by the moisture the sponge gathers. The frame of the receiver breaks & crumbles to pieces when the screws are in & improve this now so as to make it as every day ^{class} receiver & you can clean out the spanty, I own up that Mr Morgan was a prime bride Chack for me was simply a down-fall while Chack is the same

LA COMPAÑIA CHILENA
TELÉFONO DE EDISON
DE
VALPARAISO.

José D. Humboldt, Director Jefe.

5

Edison

Valparaiso, 188

& additionally a bloody knave. I own up
& will not bother you with the plots of
conspirators. But if you care to get
a little of it to amuse you (as
it will) ask Mr Eldred.

I send to Mr Eldred in the
mail, a request from the South
American Steamship Co of this city,
for proposal for your light & the
same as the Columbia had, for
their two new steamers building in
England. This is worth your attention.

I trust you are well and
enjoying the fruits of your hard
earned fame to the satisfaction
of yourself and family who live often
you. It was next to seeing you all
to see Mr Henderson of the Columbia
who talked of Mr Batchelder & you all
I enjoyed his visit.

Yours Respectfully
José D. Humboldt

The stroke of Reciprocity comes, is of no use
and quite a loss. we have hard work to get
in the Rony Crown, after rising the checks, but
doing away with turning the crank settles it.

Valparaiso July 24. 1880

Thomas A. Edison

On a/c With five thousands Dollars

1880

June 30

W. A. D. S.

To 6 wood mouth pieces, unfinished, broken		
" 8 screw cut. needles	3 00	
" 50 Mouth pieces & stoppers	10 00	Dec 1880
" 6 Old style telephone feed		
to your order	82 92	
" Fillatten's Bell, Watson's batteries		
" In custom house here, we are going		
to receive the same	150 00	x
" Freight as per B/L	58 65	
" Cash paid W. E. C.	500 00	
" " Remitted	2962 00	
" " " July 12, 80	100 00	
" " " " 24 " to balance	3050 78	\$781 755
By balance first statement	481 755	
" Shipment made	200 00	
" " May 20/80	1000 00	

E. O. E.

\$781 755

3050 78
1500
1550 78

LA COMPAÑIA CHILENA
TELÉFONO DE EDISON
DE
VALPARAISO.
José D. Hushando, Director Jefe.

Valparaíso, July 21st 1880.

Thomas A. Edison Esq.
West Park, N.J.
My dear Sir,

Enclosed be
pleased to find seconds of drafts
the first of which were sent you
July 12th 1880 - which are as follows.

Thomas A. Edison	\$500.00
Jose D. Hushando	\$500.00
	\$1,000.00

If the firsts did not arrive you
will please place the above seconds
to my credit oblige

Yours truly
Jose D. Hushando

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company transmits and delivers messages only on condition, limiting its liability, and the sender hereby assumes all liability for sending a message back to the sending station for correction. Messages are sent by wire and land cables, for errors or delays in transmission or delivery of messages, the Company is not responsible. Messages are delivered by express of the sender, under the conditions stated above.

A. B. BREWSTER, Sec'y.

NORVIN GREEN, President.

Date New York Aug 3 1880

Received at White Plains

To J. A. Edison

READ THE NOTICE AT THE TOP.

I shall I negotiate
Mexico Telephone direct
with you or with Mr
Graham

D. J. Cass

12 paid

and forwarded
with

LA COMPAÑIA CHILENA
TELÉFONO DE EDISON
DE
VALPARAISO.
JOSÉ D. HERNÁNDEZ, Director General.

Answered
Held of Valparaiso, August 14th 1880.

Thomas A. Edison Esq.
My Dear Sir

We have your honorable
our new list, which tells its own story.
Your favor enclosing statement and
more letter is at hand, as regards
the statement we would refer you to our
previous letters in which we omitted
in full to Mr. Eldred. As for the letter
it is just what we needed, it has
not yet arrived yet, we thank you
in advance of its arrival. It was
a source of great comfort to hear
from Menlo even if not from you.
Awaiting your favor and commands
I am respectfully Yours
José Hernández

People are inquiring about your
electric R.R. please post me up
I have ordered another hammer
for you - cannot imagine where it
went to, as it certainly left Ayrshire
for N.Y.

Blank No. 1.

THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and RECEIVES messages only on conditions, limiting its liability, which have been accepted in by the sender of the following message.

Messages sent by this Company will not insure their delivery for service or delivery in case of interruption of service.

This message is an UNREPLAYED MESSAGE and is delivered by request of the sender, under the conditions stated above.

A. H. BREWER, Sec'y.

NORVIN GREEN, President.

Dated New York Aug 20 1884

Received at Menlo Park

To Edison

READ THE NOTICE AT THE TOP.

Large mail from
Chili Today Can I see
you Monday or Tuesday
at Menlo.

H. H. Eldred

H. H. Eldred

NY.

yes either

day

- a favor

T. A. EDISON,

Menlo Park, N. J., Aug 21 1880.

T. A. Edison

Will you be home

Monday

H. H. Eldred

H. H. Eldred

195 T. A.

yes

Edison

LA COMPAÑIA CHILENA
TELÉFONO DE EDISON

VALPARAISO.

José D. Huenda, Director General.

Valparaiso, Agosto 27th 1880

Thomas A. Edison Esq.
Menlo Park, N.J.

Dear Sir,

I have to thank you for sending the Lathes, it is just what we wanted very much, it came to hand to day. The frame was broken but we can mend it. Business is very good in fact too good, We hope to show you that "Experts" are not always necessary to engineers, and that American Telephone Companies move on after a fashion; at any rate the people are satisfied and orders are coming in daily. I am told that you are sending to London self turning Reamers and, for would you send a very few in the first shipment say 4 or 6, much oblige.

We wish you would please send at once the following

13 Annunciator boards of 24 each better same before with switch boards to match. 24 pins each

12 Extra switch boards to match with no annunciators. We are

LA COMPAÑIA CHILENA
TELÉFONO DE EDISON
DE
VALPARAISO.
Joaquín D. Hualde, Director Jefe.

Edison

Valparaíso, 188

Now troubled ~~very~~ much on account of having only 12 bars for use of 135 Customers, we need three at once. If you delay any thing please do we have extra suited boards. We are opening additional offices both here and in the country. We have a beautiful office in Val del Mar. 9 miles from here with 21 subscribers, none of which are put up for want of time, but will be soon. The reason why we do not write is the press of business, both night & day. We also desire you to send on receipt of this

50 Telephones with Pury Crown receivers unless you have improved the chalk one, because no business can thrive with the uncertain trouble & great expense necessary to keep them in working order ^{in a dry climate like this}. We have very many persons who having used the chalk are not satisfied with Pury Crown, but we cannot afford to use them in this dry climate for 9 months in the year & the other 3 mos very wet. The chalks are either troubled with the sore throat

L.A. COMPANIA CHILENA
TELEFONO DE EDISON
DE
VALPARAISO.

José D. Hualde, Director Jefe.

Valparaíso, Chile

Valparaíso, 188

or else are all much. brides all
this, the present arrangement will
stand wear & tear; and the people
don't want both hands occupied in
the operation of the instrument.

Gom Electric Rail Road of
a Queen is well adopted for
this country. - Mms are from 5 to
30 or 40 miles from the coast, all
ores are brought on mules, 300 lbs
bring a largest & 200 a smallest load
In Bolivia Peru & Chile this system
is well adopted. The first two named
have no money at present but will,
the people have money & spend it for
what they want. I send you by this
steamer samples of the Copper of Chile
in its different forms sent me from
the largest works in Chile, working
1200 men & employing 5 steamships;
as well as bring a picture of yours in the
business. I do not know that they
have ever been tested to find out
just what they contain. It will
be a grand advertisement for you
to advertise the result of the assay
from you, which I ask you to place
for want at your earliest convenience.

LA COMPANIA CHILENA
TELEFONO DE EDISON
DE
VALPARAISO.

José D. Huidobro, Director General.

Edición 4.

Valparaíso, _____ 188

as the whole of Chile is interested in
Copper.

Be pleased to accept my
compliments & well wishes.

It has been my aim to perform
all my verbal promises to you and
I think I can safely say that my
every promise is now a matter of fact
& not a question of theory.

I will draw off the order on a
sheet as wished.

With regards to all I am

Very Respectfully
José D. Huidobro

I have sent you another Lammock which
I trust will reach you.

Aug 28 80
118

Ny 28
Edison

Wood is Arcana

Think better get instruments
ready but defer shipment
until remittance arrives

H H Gedrich

HT

LA COMPAÑIA CHILENA
TELÉFONO DE EDISON
DE
VALPARAISO.
José B. Husbands, Director Jefe.

Valparaíso, Agosto 28th 1880.

Thomas A. Edison Esq.
Menlo Park N.J.
My dear Sir:

Please ship us by
steamer the following orders:
50 Extra Plugs for painted boards -
13 Accumulator Switched Boards for H. wires &
the same as sent before
12 Extra Switched boards, with no accumulators.
50 Telephones with Toney Green Receivers
to be shipped at once
50 do do do to be shipped in 20 days
thereafter, if they are on hand & do not
delay the order. ship the whole 100 -
which has no reference to the 100 called
for a few days since
2500 Wood Pine Painted 300 mm brackets
2500 Screws for do } as we have plenty.
500 Laclanche Batteries
100 Zincs for " " Extra
25 Glasses. " " "
25 Porous Cells.

Very Truly Yours

add 5 Keys Say Service 7w.

LA COMPAÑIA CHILENA
TELÉFONO DE EDISON

José B. Husbands
Director Jefe

José D. Hushanda, Director Jeringe.

Valparaiso, ~~Chile~~ 1880.

H. B. Brown

"Emotion" ~~is~~ ^{is} ~~the~~ ^{the} ~~strongest~~ ^{strongest} ~~of~~ ^{of} ~~all~~ ^{of} ~~kind~~ ^{kind} ~~and~~ ^{and} ~~on~~ ^{on} ~~the~~ ^{the} ~~steamers~~ ^{steamers} ~~is~~ ^{is} ~~delayed~~ ^{delayed} ~~until~~ ^{until} ~~to~~ ^{to} ~~day~~ ^{day}, I am able to assure its absence. I know ~~there~~ ^{there} must be some mistake ~~which~~ ^{which} is all explained, at the time I offered any resistance. I will always give way to your wishes in your interest. I thank you for the letter. it is the first since leaving nearly a year ago. Now the ice is broken, please write again, it does even a dog good to have even an occasional (letter or) recognition from his master. Am worked out. I cannot stand night & day work like you. To day I have given two gentlemen letters to you who are a committee representing the Provisional Board of Directors of Paris, as one of our partners in our Company here has the contract with them. I took the liberty to show them ~~the~~ ^{the} honor by introducing them to you and trust you will chat a moment with them.

Yours faithfully
John D. McQuibben

Each writing of *Leaves from the Forest* is a genuine gift of the author to the world. It is a gift of the heart, and it is a gift of the mind. It is a gift of the soul, and it is a gift of the spirit. It is a gift of the body, and it is a gift of the mind. It is a gift of the soul, and it is a gift of the spirit. It is a gift of the body, and it is a gift of the mind.

P.O. Box 41945
Telephone Department
R. H. Edmund
General Manager

Gold & Stock Exchange Company

Western Union Building

New York, Sept. 4 1896

T. Edison Esq

Mt. Pleasant

Sir I have received requisition from
J. W. Hubbard in Kentucky State, Pa.
for an amount which will pay Hub-
bards balance within four \$400 - I have
forwarded them for collection
I have not been able to collect the
order for the \$400. owing to some
necessary "Red tape" but hope to
secure it shortly

I will call upon you on my return
from "Telephon Extension" which I expect
will be in about 10 days & will inform
you more fully regarding Chile
matter.

Yours Very Truly
H. A. Aldred
P. M. 59

Paris

New York

International Electrical Company,

Executive Office

P.C. No. 2761

*J. H. Edwards, President,
Geo. B. Engle, Secretary*

New York, Sept 14 1880

Thomas A Edison Esq

My Dear Sir

I told my Mr Torrey to advise you
I rec'd of money from Mr. Dusbards
I have forwarded the drafts for collection
but they have not been paid as yet
will remit as soon as received - This
remittance will cover the total advances
of material to date except about \$400/-
There are other matters requiring attention
and I propose coming out a week from
tomorrow afternoon viz Sept 21 and go over
the whole matter with you, at the same
time I should like to have four
permission to bring out with me three
other gentlemen one from the South,
one from Lima Peru, and two from
England all capitalists - If you

have no objections please write me a note
that I may show to them

I have not heretofore bothered you with
any callers in this matter I thought it might
be of mutual interest —

The gentleman from Peru is then financial
Agent, he wishes to take any new inventions
back with him and he is particularly interested
in trying to obtain something that will hold the
sparks from locomotives in his country getting
out and selling fire to the plantations, there
being no rain there everything is in a highly
combustible state

Yours very truly
S. J. Dickes

Ms. A. 1. 14. 10
J. H. C. 10
Sept 10

Oct 4, 1880

Valparaiso via N.Y.
Edison Menlo Park

Timothy Cubation Cash
whole interest close out
poor health

12 collect

T. A. EDISON,

Menlo Park, N. J.

Oct 4th 1880.

No 2

Valparaiso from NY
C. or f

Timothy Cubation Cash
whole interest close out
poor health

12 collect

E. Johnson

Translat. of receipts

Since Jan 10000 Cash
whole interest close out
poor health

12 lpc

Oct 4, 80

Husbands

to Edison

Oct 4, 80

Husbands

to Edison

NYS-
TAE Edison

Oct 5-80

Cipher need know nothing
about it Eldred absent
probably home tomorrow
will see you on return
H. L. Storken

16 St

Paris

New York

International Electrical Company

P.O. Box 2861

Executive Office

H. H. Edwards, President
Geo. D. English, Secretary

New York, Oct 7 1880

Friend Edison

I cannot understand what new snag has been struck in this South American Business, what he says may be so - I suggest we cable them we will take twenty thousand dollars cash if accepted at once -

It is a long distance away and a Grid in the hand is

Let me know what you think
I have not received the ~~for~~ Assignment yet I left with you to execute

Yours truly
H. H. Edwards

Whereas I Thomas A Edison of Menlo
Park in the State of New Jersey United States
of America have invented certain improvements
in telephones and electrical instruments, therewith
connected for which I have obtained from the
government of (Chile) South America the grant
of Letters Patent bearing date the day of
A.D. 1880

and Whereas La Compania Chilena Telefono
de Edison de Valparaiso Chile has purchased
of me the said Thomas Alva Edison my entire right
title and interest of every character in and to the
Letters Patent aforesaid and in and to any and
all improvements upon said inventions which
I have made or may hereafter make.

Now this Indenture Witnesseth that for and in
consideration of the sum of
to me the said Thomas Alva Edison in hand paid
by the said La Compania Chilena Telefono de Edison
de Valparaiso the receipt of which is hereby
acknowledged I have assigned ^{and} sold and by these
presents do sell assign transfer and set over
unto the said La Compania Chilena Telefono de
Edison de Valparaiso my entire right title and
interest of every character in and to the Letters
Patent aforesaid together with the same right in
and to any and all improvements upon the aforesaid
invention which I have made or may hereafter
make and I do hereby covenant and agree that upon

the request and at the expense of the said Company I will make and execute any further specifications, powers of Attorney, or other documents which may be necessary and proper for applying for Letters Patent in the Republic of Chile for any improvements I have made or may hereafter make on said invention or for more fully transferring the entire rights in said invention or improvements to the said Company or its legal representations or for more fully carrying out the full intent and meaning of these presents. The said rights are to be held and enjoyed by the said La Compania Chilena Telefonos de Edison de Valparaiso for its own use and behoof and for the use and behoof of its successors, assigns and other legal representations to the full end and term for which said Letters Patent are or may hereafter be granted or extended or prolonged and as fully and entirely as I might have held and enjoyed the same if this assignment and sale had not been made. In Witness whereof I have hereunto set my hand and seal this 8th day of Octo A.D. 1880

Signed T. A. G.

Witnesses
We read all intitled
before us in caution
J. T. Williams
Notary

Granted
8th Octo A.D. 1880

J. L. Griffin
Notary Public

3

New York 14
Edison.

Oct 14. 80

120

Shall I cable
Husbands that we
will accept twenty
thousand dollars gold
if paid at once

H H Eldred

NY Oct 15

OK

Mg 9

E

Yrs cable we will
accept for our share
twenty thousand dollars
gold

T A Edison

12 NY
902

Atlantic & Pacific Telegraph Company

General Superintendents Office

145 Broadway

W. E. Hunsicker, Gen'l Supt

W. H. Eldred, Asst Gen'l Supt

New York Oct 18th 1880

J. A. Edison Esq

Alexander Park

London

I have cabled Dusbands as follows
("I'll accept twenty thousand dollars gold net
gardes prison") I will accept twenty
thousand dollars gold net how soon can
you close & realize reply by cable

Yours truly
W. H. Eldred

T. A. EDISON,

Menlo Park, N. J.

Oct 24 1880.
10³⁰ am

Edison Menlo Park

Fourteen imprint (If you are satisfied I
am - the best that can be done) gold legal
transfer received.
Husbands

14 Collect

Paris

New York

International Electrical Company

P.O. Box 2261

Executive Office

W. H. Edwards, President.
Geo. B. Engle, Secretary.

New York, Oct 26 1880

J. A. Edison Esq

Dr. Sir

Enclosed please find
power of Attorney on South America Stock
have it executed so as to return to me
here not later than Friday as Electrician
says on Saturday

I called Mr. Husband
today as follows "Gonor fourteen gold
my share net felicitas"

Yours truly
W. H. Edwards

Paris

New York

International Electrical Company

P.O. Box 2261

Executive Office

W. H. Eldred, President
Geo. D. Engle, Secretary

New York, Oct 29 1880

Friend Edison

Enclose for your
signature letter to Mr. Foote which
I have hastily drawn up but which
I think covers the ground
Please sign & return by Deaver

Yours truly
W. H. Eldred

LA COMPAÑIA CHILENA
TELÉFONO DE EDISON
DE
VALPARAISO.

José B. Huamán, Director Jeneral.

Copy sent to
H.A. [unclear] Dec 1880

Valparaiso, Nov 6th 1880.

Rec'd at N. B. B.
Dec 16-1880
5 PM

Thomas Alva Edison, Esq.

My dear Sir,

I have your
dispatch in which you make sale
to me of your entire interest here &
will pay the amount stipulated Fourteen
thousand dollars Gold, when you send
here an assignment legally arranged
as the Powers of Attorney were for Chile
Bolivia, Peru & Ecuador. If you
draw it will not be paid. I do not
propose to show the public my hand
and it does not matter to you so
long as you get your money.
Please allow me to carry
out my plans my own way & not
break them up by doing as Mr. Elden has
done to day by obtaining sight drafts
in a country where such a thing is
unknown. I trust you are well &
Enjoying the fruits of your well earned
fame.

file
to prepare
papers

I am, My dear Sir,
Yours faithfully,
Josi S. Huamán

Consulate of the United States

at Yaguajay, Chile,

Dec. 11. 1880

Thos. A. Edison Esq

Dear Sir

Yours of Oct

29th with Aid & Power

of City was rec'd by the

last mail. We have not

as yet completed the

organization of a Joint

Stock Co. because we

doubt Mr. Husband's power

to sign for you. Now

however that we have your
deed we shall proceed with
the organization.

Husband claims,
as he says, by arrange-
ment with you, one third
of your stock, which
would leave you two
sixths of the whole. He
also insists that he has
bought your stock for
his own benefit & of
any profit results

therefore it must be
for his individual benefit
The Co have refunded to
Husband the monies
advanced by him, and
have allowed him \$3000.-
per year for his services.

The gentlemen associated
with me in this business
are first class men.
They were induced to
take hold of it perhaps
at my suggestion, and

Consulate of the United States

Copy to Eldred
at Valparaiso, Chile

1881

Santiago.

have paid the amount
agreed upon for construc-
tion purposes, to wit,
twenty five thousand
dollars. The business
may be said to be fairly
inaugurated with a
promising outlook. It
will however grow much more
slowly than in the United
States. We have had many

Valparaiso Dec. 1881

Luis H. Hook

No and

Copy sent to

H. Eldred Jan 28 1882

Very truly, ~~agreed~~
from ~~London~~ where we
should have had harmony
and I for one would
never undertake the same
business under the same
circumstances again.

If Husband fails
to come forward with the
money for your stock
I have no doubt other
parties would purchase

1821, 11/10/21
H. H. shall follow
your instructions &
will remit when the
money is paid.

Very Truly yours
Lucius H. H. H.

Compañía Chilena Teléfonos de Edison de Valparaíso.

José D. Husbands,

Director Jefe.

Por la presente, el infrascrito solicita de la COMPAÑIA CHILENA TELEFONOS DE EDISON DE VALPARAISO, que le arriende por el término de años
teléfono con los accesorios necesarios para usarlos en

en conexión con la oficina de dicha Compañía, en Valparaíso, y se obliga a pagar a ésta la suma de pesos al año, haciendo el pago adelantado al principio de cada año, durante el término antes expresado y durante las prorrogas del mismo que puedan estipularse al dorso de este documento o de otra manera.

Esta petición se estimará como suficiente contrato si es aceptada por la Compañía arrendadora, y en tal caso durará ésta un ejemplar análogo al arrendatario. El término del contrato se contará desde el día que queda hecha la conexión necesaria para el servicio del Teléfono.

Las condiciones del arriendo serán las siguientes:

- 1.ª El arrendatario usará del Teléfono, Campanilla de Aviso y demas accesorios empleando todo cuidado y tomando las precauciones necesarias para evitar que sufran cualquier daño y a la espiración del contrato las devolverá a la Compañía Arrendadora o a sus agentes en el mismo buen estado en que los reciba, salvo el deterioro del uso ordinario.
- 2.ª El Teléfono no podrá ser empleado para transmitir comunicaciones por las cuales el arrendatario reciba alguna remuneración, ni podrá usarse en otra línea que en la de la Compañía Arrendadora, ni para asunto alguno que no sea propio del arrendatario.
- 3.ª El arriendo no podrá ser cedido, ni la tenencia ni uso del Teléfono trasferidos a otra persona.
- 4.ª La Compañía Arrendadora mantendrá el Teléfono en buen estado de servicio, y con ese motivo y a fin de inspeccionarlo, sus agentes tendrán libre acceso al lugar en que se encuentre, en todo momento que sea oportuno.
- 5.ª En caso de violación de alguna de estas condiciones o de omisión en el pago de la renta de arrendamiento, los Agentes de la Compañía Arrendadora podrán

penetrar al lugar en que se encuentren el Teléfono y Campanilla y tomar posesion de ellos, sin que el arrendatario pueda deducir reclamo alguno ni devolucion de parte alguna de la renta que haya pagado adelantado, siendo ademas entendido y convenido que la Compania Arrendadora podrá en cualquiera época cortar la conecion y extraer los aparatos con tal de devolver al arrendatario la parte de la renta pagada por él que corresponda al espacio de tiempo no venecila a contar desde la fecha de la remocion.

- 6.ª En caso de destruccion o pérdida del Telefono o Campanilla, ocurridos durante la vijencia de este contrato sin culpa de la Compania Arrendadora, el arrendatario estará obligado a pagar a aquella por cada instrumento destruido o perdido, el doble del precio de esportacion de los mismos.

VALPARAISO, 188

.....
Peticionario.

Aceptada en nombre y por
cuenta de la COMPANIA CHILENA
TELEFONO DE EDICION DE VAL-
PARAISO.

.....
Director Jereuta.

HECHA LA CONECCION HOI de de 188

.....
Superintendente de los trabajos.

.....
Conforme.

.....
Arrendatario.

10
Poly Husbands Letters
July 10 to 14th
1888

TELÉFONOS.

Nº

COMPANIA CHILENA

Teléfonos de Edison de Valparaiso.

Solicitud

Direccion

Principia

Conchuye

Prorogado por

Arrendatario.

Director Jereñta.

Cancelado

Motivo de la

Cancelacion.

LA COMPAÑIA CHILENA TELÉFONO DE EDISON DE VALPARAISO.

DIRECTIONS FOR USING EDISON'S LOUD SPEAKING TELEPHONE.

To call the Central Office, press the right hand Knob N.º 2, THREE TIMES; then wait until your bell rings.

When your bell rings, TURN THE CRANK N.º 4 on the receiver arm and listen at N.º 5 until you hear "Quid hail"

THEN PRESS KNOB N.º 1 FIRMLY DOWN and state your business clearly and distinctly. Hold your mouth while talking about one inch away from the transmitter N.º 3.

After talking remove your hand immediately from knob N.º 1. KEEP TURNING CRANK N.º 4 both when talking and receiving.

When you receive a call, answer it by first pressing the Knob N.º 2 (which rings the bell) three times, then immediately turn the crank N.º 4, and listen at N.º 5.

Always press knob N.º 1 before commencing to talk, HOLDING IT DOWN FIRMLY while talking, removing the same immediately when through and listen.

No improper language is permitted on the part of our employees. The management would esteem it a special favor if you would promptly report any discourteous treatment from any one connected with our service.

DURING BUSINESS HOURS make conversations as brief and clear as possible, as others may wish to talk to you, and you will be reported engaged if connected with others.

SUBSCRIBERS WILL REPORT to the Central Office, any disarrangement of the instrument or apparatus and it will be repaired at once. NEVER TRY TO FIX IT YOURSELF. Never change the instrument.

TO FIND OUT IF YOU CAN TALK TO A PERSON, look on the list furnished with each instrument and see if they are subscribers. New Names will be added as soon as subscriptions are accepted by this Company.

UPON REQUEST, the chief operator will come immediately to the instrument and give personal attention.

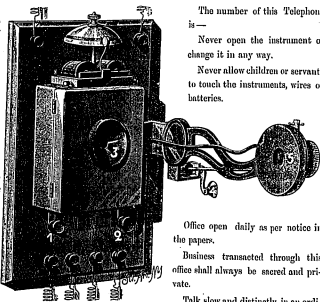
IMPORTANT NOTICE.

NOTIFY THE CENTRAL OFFICE WHEN THROUGH SPEAKING, as it will delay your business by others being told you are engaged.

BOTH PARTIES WILL PLEASE NOTIFY US when through speaking, by pressing on knob N.º 2, three times. Attention to this will serve subscribers by allowing the wire free, as MUCH AS POSSIBLE, to all who require it.

VALPARAISO, 1880.

JOSÉ D. HUSBANDS,
DIRECTOR JERENTE.



The number of this Telephone is—

Never open the instrument or change it in any way.

Never allow children or servants to touch the instruments, wires or batteries.

Office open daily as per notice in the papers.

Business transacted through this office shall always be sacred and private.

Talk slow and distinctly, in an ordinary tone of voice.

Expiratio, _____ de 1888.

Señor _____

Debe

a la

Compañía Chilena de Teléfonos de Edison.

Imp. "Armasita" Ademas 18-5519

Por _____ años de arriendo del Teléfono de _____ 1888.

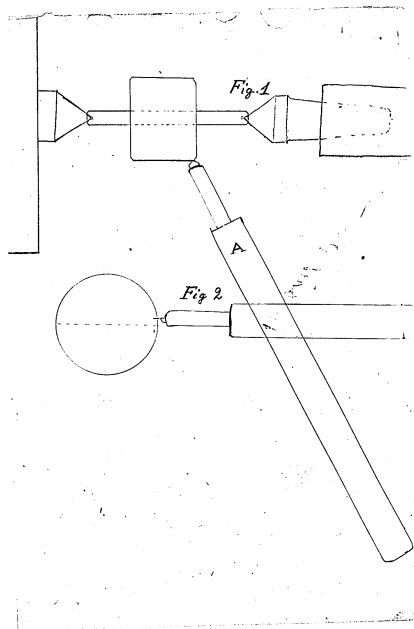
a _____ 1888, según convenio.

\$ _____

Concedido

La Compañía Chilena Teléfonos de Edison.

Director Joriente.



Hussein Bot

2 Lab photo books
1 Ltr of telephon
1 of Phonography

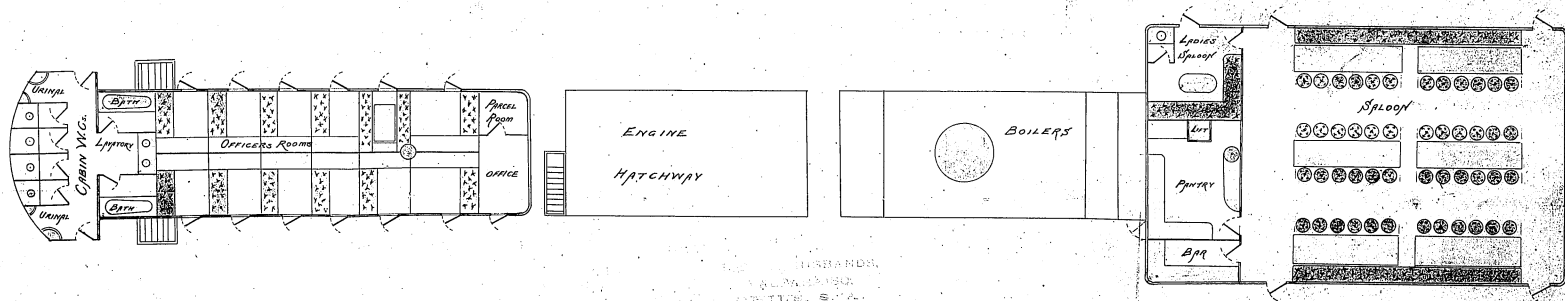
To Husbands

Not to be destroyed

C. S. A. DE VAPORES.

PLAN OF CABINS IN STEAMERS

SCALE $\frac{1}{8}$ INCH = 1 FOOT.

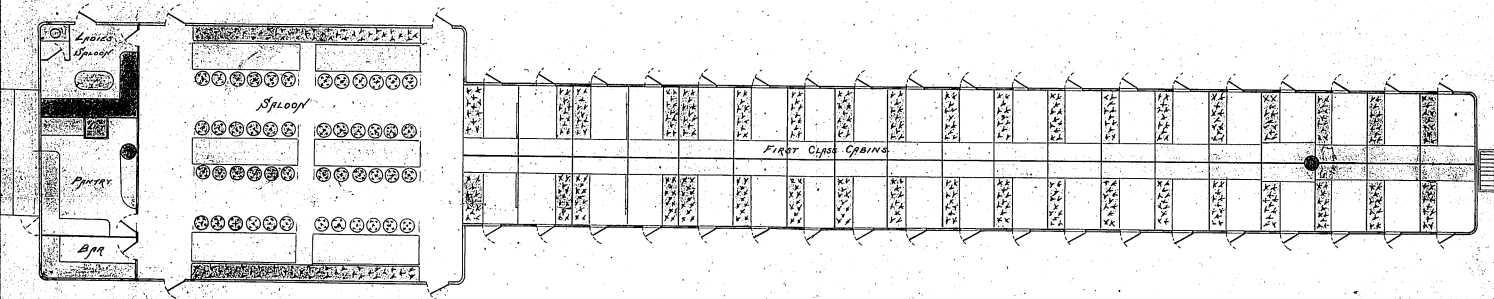


[CONTINUED ON THE NEXT FRAME]

S. A. DE VAPORES.

OF CABINS IN STEAMERS NOS 13 & 14.

SCALE $\frac{1}{8}$ INCH = 1 FOOT.



[CONTINUED FROM THE PRECEDING FRAME]

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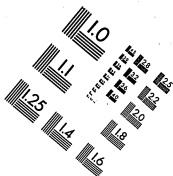
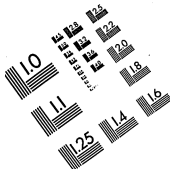
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